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Relevance of Higher Education in Women's Life

Dr. (Mrs.) Santosh Choudhary

Associate Professor in Botany, Govt. Bangur College, Pali, Rajasthan, India

ABSTRACT: Female education is a catch-all term for a complex set of issues and debates surrounding education (primary education, secondary education, tertiary education, and health education in particular) for girls and women.^{[11][2]} It is frequently called girls' education or women's education. It includes areas of gender equality and access to education. The education of women and girls is important for the alleviation of poverty.^[3] Broader related topics include single-sex education and religious education for women, in which education is divided along gender lines.

Inequalities in education for girls and women are complex:^[4] women and girls face explicit barriers to entry to school, for example, violence against women or prohibitions of girls from going to school, while other problems are more systematic and less explicit, for example, science, technology, engineering and mathematics (STEM) education disparities are deep rooted, even in Europe and North America.^[5] In some Western countries, women have surpassed men at many levels of education. For example, in the United States in 2005/2006, women earned 62% of associate degrees, 58% of bachelor's degrees, 60% of master's degrees, and 50% of doctorates.^[6]

KEYWORDS: female women education, poverty, science, levels, doctorates, health, gender equality, debates

I.INTRODUCTION

Improving girls' educational levels has been demonstrated to have clear impacts on the health and economic future of young women, which in turn improves the prospects of their entire community.^[7] The infant mortality rate of babies whose mothers have received primary education is half that of children whose mothers are illiterate.^[8] In the poorest countries of the world, 50% of girls do not attend secondary school.^{[9][10][11][12][13]} Yet, research shows that every extra year of school for girls increases their lifetime income by 15%. Improving female education, and thus the earning potential of women, improves the standard of living for their own children, as women invest more of their income in their families than men do.^[14] Yet, many barriers to education for girls remain. In some African countries, such as Burkina Faso, girls are unlikely to attend school for such basic reasons as a lack of private latrine facilities for girls.^[15]

Education increases a woman's (and her partner's and the family's) level of health and health awareness.^{[16][17][18]} Furthering women's levels of education and advanced training also tends to delay the initiation of sexual activity, first marriage, and first childbirth.^{[19][20]} Moreover, more education increases the likelihood of remaining single, having no children, or having no formal marriage while increasing levels of long-term partnerships.^{[21][22]} Women's education is important for women's health as well, increasing contraceptive use while lowering sexually transmitted infections, and increasing the level of resources available to women who divorce or are in a situation of domestic violence.^[23] Education also improves women's communication with partners and employers and their rates of civic participation.^{[24][25]}

Because of the wide-reaching effects of female education on society, alleviating inequalities in education for women is highlighted in Sustainable Development Goal 4 "Quality Education for All", and deeply connected to Sustainable Development Goal 5 "Gender Equality." Education of girls (and empowerment of women in general) in developing countries leads to faster development and a faster decrease of population growth, thus playing a significant role in addressing environmental issues such as climate change mitigation.^{[13][26]} Project Drawdown estimates that educating girls is the sixth most efficient action against climate change (ahead of solar farms and nuclear power).^[27]

Violence against women teachers became a political issue in Sweden during the period from 1900 to 1940.^{[28][29][30]} By 1900, 66 percent of Sweden's teachers were women, many of whom worked in isolated rural areas, where they faced loneliness and the threat of male violence. Politicians, teachers, and female authors debated a number of solutions to reduce these threats, such as providing the teachers with guard dogs, weapons, and telephones.^[31]



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In Pakistan, a negative relationship was found between the formal level of education a woman attains and the likelihood of violence against that woman (After, 2013).^{[32][33]} The researcher used snowball convenient sampling, a sampling method where participants are referred. Ethical and privacy issues made this the most convenient method. An informant played a major role in gathering information that was then cross-checked. The sample of victims of violence was made up of married women from ages 18–60 both from rural and urban communities. The study described different forms of physical violence that are already present and provided an idea of what women go through, even across communities (rural and urban). Education in this study was stressed to be the solution and a necessity in eliminating violence. A discussion of political and social barriers is needed.^[34]

The relationship is a lot more complicated than it seems, women can be illiterate but still become empowered (Marrs Fuchsel, 2014). Immigrant Latina Women (ILW) were part of a qualitative study of 8 to 10 participant groups, at a time, and completed an 11-week program centered on self-esteem, domestic violence awareness, and healthy relationships. Immigrant Latina Women (ILW) is a highly affected group by domestic violence. Though this program took place outside of a traditional classroom, dialogue, critical thinking, and emotional well-being were stressed, areas that should be acquired while in school. Lastly, though many of the women were illiterates they were still able to come away with a stronger sense of control over their own lives, an important life skill.^[35]

Different countries experience various forms of violence against women and girls, which in Nigeria, UNICEF noted 16 facts about such incidence.^[36] Some of those facts include: physical effects, psychological effects, short-term and long-term effect; effects on the victims, the children, the society among others There are factors that promote violence against women, which should be made open to the public. There is need for proper women and girl education to save them from the tragedy called violence. Development can be possible if individuals are able to learn positive habits that will shied them away from violence. World Health indicated that around the globe about 30% of women experience violence either by intimate sex mate or relatives.^[37]

Education systems vary in administration, curriculum and personnel, but all have an influence on the students that they serve.^{[38][39]} As women have gained rights, formal education has become a symbol of progress and a step toward gender equity. In order for true gender equity to exist, a holistic approach needs to be taken. The discussion of girl power and women's education as solutions for eliminating violence against women and economic dependence on men can sometimes take dominance and result in the suppression of understanding how context, history and other factors affect women (Shenila Khoja-Moolji, 2015). For example, when past secretary of State, Hillary Clinton, referenced the tragedies of Malala Yousafzai in Pakistan and the girls kidnapping in Chibok, Nigeria, as comparable, using girls' education as the focus, history and context were ignored. What led to the shooting of Malala was reduced to being solely about her educating herself as a girl. United States interference, poverty, and government corruption and instability were not addressed.^[40]

Education systems and schools play a central role in determining girls' interest in various subjects, including STEM subjects, which can contribute to women's empowerment by providing equal opportunities to access and benefit from quality STEM education.^[5]

II.DISCUSSION

The socioeconomic impact of female education constitutes a significant area of research within international development. Increases in the amount of female education in regions tends to correlate with high levels of development. Some of the effects are related to economic development. Women's education increases the income of women and leads to growth in GDP. Other effects are related to social development. Educating girls leads to a number of social benefits, including many related to women's empowerment.

A systematic review on vocational and business training for women in low- and middle-income countries summarized the evidence from thirty-five studies regarding the impacts of such training programs. The authors found that these types of programs have small positive effects on employment and income with variability across studies. They found that the effects of training may increase with a stronger gender focus of the program.^[41]

Education of girls (and empowerment of women in general) in developing countries leads to faster development and a faster decrease of population growth. It therefore has a significant impact on environmental issues such as climate



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change. The research network Drawdown estimates that educating girls is the sixth most efficient action against climate change (ahead of solar farms, nuclear power, afforestation and many other actions).^[27] The proliferation of digital technology and digital services has made digital skills a prerequisite for full participation in society. Today, an inability to navigate the internet poses disadvantages. While these disadvantages were once somewhat contained to wealthy countries, they are now relevant globally, due to the rapid and continuing proliferation of internet-connected technology.^[42]

Equipping women and girls with digital skills helps put them on equal footing with digitally savvy men, and opens up countless opportunities for increased agency and choice. Websites and mobile applications on health and legal rights, for example, can help women make informed decisions to safeguard and care for themselves and their families, while online social networks and digital communications allow women to disseminate information and share knowledge beyond their immediate community.^[42]

Mobile learning opportunities, from literacy apps to open online courses (MOOCs) about subjects as diverse as astronomy and caring for older relatives with dementia, can open up new educational pathways, especially for out-of-school girls and adult women.^[43] Job search engines and professional networking sites enable women to compete in the labour market, while e-commerce platforms and digital banking services can help increase their income and independence.^[42]

Female education in STEM refers to child and adult female representation in the educational fields of science, technology, engineering, and mathematics (STEM). In 2017, 33% of students in STEM fields were women.

The organization UNESCO has stated that this gender disparity is due to discrimination, biases, social norms and expectations that influence the quality of education women receive and the subjects they study.^[44] UNESCO also believes that having more women in STEM fields is desirable because it would help bring about sustainable development.^[44] Education for disabled women has also improved. In 2011, Giusi Spagnolo became the first woman with Down Syndrome to graduate college in Europe (she graduated from the University of Palermo in Italy).^{[45][46]} Christian missionaries in the 19th century opened modern educational methods, but they usually focused on boys. After early experiments they settled on promoting ideology of domestic femininity imparted through girls' schooling.^[47] In South Africa after 1820, male Scottish missionaries decided that only the most basic education was necessary to prepare native women for the propagation of Christianity within the home. They prevented female teachers from operating in the Scottish mission's territory. They delayed the establishment of a Girls' Department at Lovedale Institution. Finally new leadership arrived who had a broader vision of uplifting native women so they could promote Christianity and Western gender codes.^[48]

Muslims from India who came to East Africa in the late 19th century brought along a highly restrictive policy against schooling for their girls.^[49]

As of 2015, Priscilla Sitienei was attending elementary school in Kenya at age 92.^[50] She died in November 2022, at the age of 99, whilst preparing for final exams.^[51]

Women's education in West Africa manifested in both formal and informal structures, with one of the more notable structures that had influence on women's education being preparatory schools labeled "Bush Schools."^[52] These bush schools were institutions that would oftentimes boast near 100% graduation rates and completed courses. They were organized by women and had a planned, structured curriculum, which included learning how to do skills such as learning how to "fish, cook, weave, spin cotton, dress hair, and make baskets, musical instruments, pots, and fishing nets."^[52] Much of the scholarship and research on these schools arises from the Bundu schools of Sierra Leone. In addition to these skills, girls would often be given reproductive education, such as birth control techniques or child rearing skills. In particular to the Bundu schools, women would be given an intense education in medicinal herbs and home medicinal skills.^[52] These schools did not just teach educational curriculum (such as history passed on through songs and dances), but enabled the transmission of cultural values and were centers of female power. Despite the colonial and post-colonial ideal that women ought to be educated just to serve decorative or child-bearing maternal roles, these institutions taught women to play central economic, corporate and familial roles in their communities.^[52]



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In the 19th century, Nana Asma'u (1793–1864) founded the Yan Taru movement for the education of Sokoto women.^{[53][54][55]}

Early colonial of education on the West African coasts. particularly forms among the Dahomey, Asante and Yorùbá people, were pioneered by missionaries and institutions that were trying to educate religious thought in addition to teaching more traditional western educational topics such as reading and writing.^[56] As early as 1529, King John III of Portugal had given instruction to open schools and provide education in "religious thought, reading and writing" and for the instructors to be paid by the pupil.^[56] For women in particular however, these colonial forms of education brought with them European ideals of women's roles in the family, society and economy. These Western ideas of womanhood oftentimes contrasted with women's roles in the economy, society, or in the home.^[57] For example, Igbo women had associations known as Mikiri, which were economic and social forums for women in which they discussed direct action to enforce their interests, which were largely misunderstood and disregarded by various British colonial administrations. Hence, as the colonial administrations introduced schools to the region, they ignored educating women to fill economic roles in the community.^[58] In fact, the educational ideal of men as "breadwinners", i.e. the primary financial support of a nuclear family structure, was introduced by successive British colonial governments in West Africa.^[59]

One of the groups of people that the colonial governments in West Africa put heavy import on educating were the mixed children of white people, typically men, and indigenous people, typically women. In pre-British era of Ghanaian history, when much of the interaction between indigenous people and Europeans was through Dutch traders, mixed race children of traders and indigenous people were removed from their indigenous communities and placed in Dutch educational institutions in Ghana.^[60] In these early colonial schools the education was also gendered by Western standards: the boys were educated from a young age to be military officers in the Dutch army and the girls were educated to be married to Dutch military officers in the region.^[60]

One of the other ways through which colonizing countries were able to exert influence and indirect rule over the indigenous people was through maternal education. In colonial Ghana, Methodist missionaries led classes teaching western methods of hygiene and child birth to the indigenous mothers or mothers-to-be.^[57] The missionaries tried to construct an ideal of motherhood that matched white European middle-class standards, irrespective of the social context of the ideals of motherhood in place in the Asante societies they were located in.^[57]

III.RESULTS

In post-colonial West Africa, many of the ideals of Western education have remained while much of the infrastructure and funding left with the colonial presence.^[61] Particularly in Nigeria, formal education was seen as a policy making tool, as women's formal education has been linked to having effects on "population growth, health, nutrition, fertility, infant mortality, and changes in women's productivity and earnings."^[62] Researchers have cited some disadvantages however to this reliance on women's formal education. One, there is concern for women being alienated from their indigenous cultures and not receiving the education in values that were typically received through pre-colonial indigenous educational systems.^[61] In addition, there is an increasing body of literature that suggests how the formal education institutions channel women into particular lower-earning job fields such as the humanities, while guiding women away from more technical jobs with higher wages.^[61]

In regards to academic achievement, according to the FAWE Conference girls across the Sub-Saharan region reported lower scores in Math and Science subjects.^[63] The tendency for girls to be pushed into clerical positions upon finishing school is also a widely researched and held belief.^[61] Despite this, formal education offers many benefits recognized internationally. The Fourth United Nations World Conference on Women has released publications citing numerous ways through which women's education in Africa is beneficial to society as a whole. These entail an increase in family health, in higher wage jobs available to women, an improvement in quality standards of childhood development, and a greater inclusion of women in decisions making that can impact a nation in environmental, political, social and economic ways.^[63] Despite there being a drop in participation of women in education in the majority of countries in West Africa in the 1950s and 1960s, rates of women education have been steadily climbing since then. However, there is still much statistical gender disparity as according to UNESCO statistics on women's enrollment and graduation rates.



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Due to handicapes made for the afghan women and girls for getting education by Taliban government, United nations dedicated 2023 World education day to the afghan girls and women.^[64]

One of the primary ways in which there are gender disparities in education in West Africa are in the ratios of male to female participation: 43.6% of men have completed primary education as opposed to 35.4% of women, 6.0% of men have completed secondary education as opposed to 3.3% of women, and 0.7% of men have completed tertiary education as opposed to 0.2% of women.^[65] Some of the reasons for poor enrollment and participation is the "male breadwinner" ideal that prioritizes educating boys over girls and limited funds available to families for education. In addition, in West Africa women are seen as the primary providers of unpaid care work. This offers competing demands on the time of girls and oftentimes their families will prioritize girls' spending time taking care of siblings or doing domestic labor.^[63] In addition, a leading cause of gender disparities in education are gender disparities in the labor market, which lead to gendered ideas of women's role in a society.^[66]

In addition to this, some gender disparities are caused by teacher's attitudes towards students in the classroom according to the students' gender.^[67] There are some preconceived notions that boys are more intelligent and harder working than girls in some West African countries. In particular in Guinea, surveys have been taken by researchers suggesting that school teachers, particularly in rural schools, believe that boys learn lessons better, have more ambition, are smarter, and work harder, while girls make less effort, rarely give good responses to questions, and use poor French expression.^[67] In addition in both urban and rural schools analyzed, girls were expected to do the manual labor to keep the schools clean while this expectation was not held for the boys.^[67]

Gender disparities in higher education persist as well, with women accounting for a little over 20% of university level enrollment in all of Sub-Saharan Africa, and countries in West Africa such as Niger and Ghana reporting rates of 15% and 21%, respectively.^[68] This is considered a contributing factor to why there are so few women in higher-level management and administrative jobs.^[63] In Ghana in 1990, women made up less than 1% of managers in the labor market, but with an average annual growth rate of 3.2%.^[68] Researchers hope that improving primary education attainment and accomplishment will lead to more attainment and accomplishment in the tertiary educational level and in the labor market.^[63]

In the past few decades, African countries have attached great importance to the role of education in the process of nation-state construction and development. Therefore, education has been placed on the policy priorities, and the rapid expansion of the number of educational institutions at all levels has greatly increased women's educational opportunities. In particular, after the World Conference on Education for All, women's education received special attention in Africa and achieved rapid development.^[69] Taking Sub-Saharan Africa as an example: in early 1960, the gross enrollment rate of girls in primary education, secondary education and higher education was 25%, 1% and 0.1%, respectively. By 2006, the figures were 89%, 28% and 4%, respectively.^[70]

While the enrollment rate of women at all levels is increasing, the gender parity index is also improving. In sub-Saharan Africa, the gender parity index for primary school enrollment in 1980, 1990, 2000 and 2006 was 0.77, 0.81, 0.89, and 0.92, respectively. In some countries, women's gross enrollment ratios even exceed men's gross enrollment rates, such as the Gambia, Ghana, Malawi, and Zambia. The gender parity index for secondary and higher education also tends to increase.^[70]

In addition to the enrollment rate and gender parity index, other indicators, such as repetition rates, dropout rates, graduation rates, etc., also reflect the progress of women's education in Africa. In 1999, the repetition rate of female primary education in Sub-Saharan African countries was 17.7%, and in 2006 it fell to 13.3%. At the same time, the increase in female enrollment rates has also led to a growing number of female teachers in Africa.^[70]

In recent decades, female education in Africa has made great (though uneven) progress. On the one hand, the level of development of women's education between countries and countries in this region is still significantly different due to differences in geographical location, social class, language and ethnicity. On the other hand, compared with the rest of the world, Africa, especially in Sub-Saharan Africa, still lags behind in the field of women's education.^[71]

Compared with men, women in most African countries have been disadvantaged in education, and the higher the level of education, the more unfavorable the situation. One of the most important reasons for this "vertical separation" is that



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girls' academic performance is worse than that of boys, and the percentage of students who can graduate and pass the exam is low. At the same time, in the diversion of secondary education and higher education, there is also a "level separation" of gender, which means that boys and girls are concentrated in certain classes and majors, so that these courses become male-dominated subjects or female-dominated subjects. For example, in the fields of education, humanities, and art, the proportion of girls generally far exceeds that of boys. Science, engineering, and architecture are dominated by boys.^[71]

Implications

Family economic status is an important factor in determining whether a parent is capable of withstanding the direct and indirect costs of a child's education. Direct costs include tuition, school uniform fees, transportation fees and other material fees like textbooks. In Kenya, 47% of the rural population and 27% of the urban population live below the poverty line, yet they have to bear nearly 60% of the cost of primary education. This forces them to selectively educate their children. For poor families, girls are the most direct victims when education costs are unaffordable. In a survey in the mid-1990s, 58% of respondents let their daughters to drop out, while only 27% of respondents chose sons.^[72]

Compared with boys, the opportunity cost of girls to go to school is higher, because they bear multiple roles such as family workers and mothers' assistants, and they have to bear more labor than men. For example, in a province of Zambia, girls spend four times as much time on direct productive labor as boys. Therefore, girls' late schooling, absenteeism and dropouts are closely related to labor.^[71]

The location of the school has a direct impact on the type of education that women receive, the quality of education, and the time of education. Many parents are unwilling to let young children go to school far away from home, and the distance between the school and the home is very common in rural Africa. Insufficient infrastructure such as school teaching, health, and dormitory can also prevent women from entering school. At the same time, the curriculum and related teachers, syllabus, textbooks and teaching methods lack gender awareness, or exist gender bias, which has far more adverse effects for girls than boys. In many African countries, it is still to strengthen the society's perception of women's family life, and to hide the prejudice that women's intelligence is not as good as men's. In such a learning environment, women's learning attitudes are often negative, and they cannot fully exert their abilities. In the secondary and higher education stages, women are usually assigned to learn courses that are more feminine, such as home economics, craft classes or biology (biological is considered to be related to women's traditional occupations, such as nursing).^[71]

In addition, various forms of sexual violence and sexual harassment in schools, or concerns about sexual violence and sexual harassment, are silent barriers to girls' enrollment. These behaviors not only affect the school's academic performance, but also cause pregnancy, early marriage and so on. At the same time, in many countries, teenage pregnancy almost interrupted girls' school education.^[73]

Africa's deep-rooted attitude towards women may be traced back to the patriarchal system that continued in African native culture and colonial experience. Traditionally, women's reproductive and family roles are of great value. Adolescent African girls feel this pressure strongly because she either assists her mother or other female relatives to complete their home tasks or achieves a transition to an adult role such as a wife or mother at this time. From that age, some girls who are still in elementary school are at risk of interrupting their studies. The traditional concept of marriage in Africa regards investment in women's education as a waste, that is, all proceeds flow to another family. Therefore, it is often difficult for women to get care from their father and thus lose many educational opportunities.^[71]

Many tribes in different parts of the world, do not advocate women education. Their cultural values are violated in case of disobeyance of their ancestors.

Effectively promote universal, free and compulsory basic education, reduce or eliminate the direct cost of basic education, so that primary education can be more affordable. For example, in 2001, Tanzania implemented free primary education, resulting in a rapid increase in the gross enrollment rate of women's primary education from 61.6% to 88.8%.^{[69][72]}



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Schools create a safe and fair learning environment and institutional culture that is conducive to women. Gender considerations will be taken into account in the supply and allocation of resources to meet women's specific educational needs. More important is to strengthen gender awareness education for all teachers and educators.^[69]

The government plays an important role in advancing gender equality in education. One of its roles is to create a good environment through laws and policies to promote women's education to achieve gender equality. Beyond the law, the government must also set up a clear framework. For example, in Ethiopia, the government clearly stipulates that women and men have the same opportunity to accept the same curriculum, and are free to choose a profession to ensure that women have the same employment opportunities as men.^[69]

Modern social reform for Afghan women began when Queen Soraya, wife of King Amanullah, made rapid reforms to improve women's lives and their position in the family, marriage, education and professional life.^[74] She founded the first women's magazine (Irshad-e Naswan, 1922), the first women's organization (Anjuman-i Himayat-i-Niswan), the first school for girls (Masturat School in 1920), the first theatre for women in Paghman and the first hospital for women (the Masturat Hospital in 1924).^[75] In 1928, Amanullah sent fifteen female graduates of the Masturat middle school, daughters of the royal family and government officials, to study in Turkey.^[76] Soraya Tarzi was the only woman to appear on the list of rulers in Afghanistan, and was credited with having been one of the first and most powerful Afghan and Muslim female activists. However, Queen Soraya, along with her husband's, advocacy of social reforms for women led to a protest and contributed to the ultimate demise of her and her husband's reign in 1929.^[77] King Amanullah Khan's deposition caused a severe backlash, the girls 'schools were closed, the female students who had been allowed to study in Turkey was recalled to Afghanistan and forced to put on the veil and enter purdah again,^[78] and polygamy for men was reintroduced.^[76]

Successors Mohammed Nadir Shah and Mohammed Zahir Shah acted more cautiously, but nevertheless worked for the moderate and steady improvement of women's rights^[79] Women were allowed to take classes at the Masturat Women's Hospital in Kabul in 1931, and some girls' schools were reopened;^[76] the first High School for girls was officially called a 'Nursing School' to prevent any opposition to it.^[78]

After the Second World War modernization reforms were seen as necessary by the government, which resulted in the resurrection of a state women's movement. In 1946 the government-supported Women's Welfare Association (WWA) was founded with Queen Humaira Begum as patron, giving school classes for girls and vocational classes to women,^[80] and from 1950 women students were accepted at the Kabul University.^[74] The taliban banned women from education in 1996. When the Taliban was removed from power in 2001, women were again allowed to study.

After taking control of the country in 2021, the Taliban gradually banned education for girls and women above the 6th grade. Women were also prohibited from working as teachers and in other professions, creating problems for girls' elementary education and leading to a risky underground network of girls' schools.^[81]

Along with the custom of footbinding among Chinese women that lasted through the end of the 19th century, it was recognized that a woman's virtue lay with her lack of knowledge.^[82] As a result, female education was not considered to be worthy of attention. With the arrival of numerous Christian missionaries from Britain and the U.S. to China in the 19th century and some of them being involved in the starting of schools for women, female education started to receive some attention.

Due to the social custom that men and women should not be near one another, the women of China were reluctant to be treated by male doctors of Western medicine. This resulted in a tremendous need for women in Western medicine in China. Thus, female medical missionary, Dr. Mary H. Fulton (1854–1927),^[83] was sent by the Foreign Missions Board of the Presbyterian Church (U.S.A.) to found the first medical college for women in China. Known as the Hackett Medical College for Women ^[85] this college was located in Guangzhou, China, and was enabled by a large donation from Edward A.K. Hackett (1851–1916) of Indiana, United States. The college was dedicated in 1902 and offered a four-year curriculum. By 1915, there were more than 60 students, mostly in residence. Most students became Christians, due to the influence of Dr. Fulton. The college was officially recognized, with its diplomas marked with the official stamp of the Guangdong provincial government. The college was aimed at the spreading of Christianity and modern medicine and the elevation of Chinese women's social status. The David Gregg Hospital for Women and Children (also known as Yuji Hospital ^{[86][87]} was affiliated with this college. The graduates of this college included Lee



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Sun Chau 1890–1979, alumna of (Belilios Public School) and WONG Yuen-hing (黃婉卿), both of whom graduated in the late 1910s^{[88][89]} and then practiced medicine in the hospitals in Guangdong province.

Between the years 1931 and 1945, the percent of uneducated women was over 90%, and most of the women who were educated had only completed the elementary level.^[90] In the 1950s, after the establishment of People Republic China, the government started a civilization project.^[91] It enabled large amounts of uneducated women to learn basic writing and calculation. This project raised the proportion of educated women. It was promoted not only in cities but also in rural area. Villages had their own elementary schools. Instead of only taking care of children and chores at home, middle-aged women had chances to learn writing and reading in local schools.

In the 1980s, Chinese central government passed a new education law, which required local governments to promote 9year obligation education nationwide^[92] The new education law guaranteed education rights until middle school. Before the 1960s, female enrollment in elementary school was 20%. 20 years after publishment of education law, in the year 1995, this percentage had increased to 98.2%. By 2003, proportion of female who dropped from middle school decreased to 2.49%.^[93]

According to the fifth national census in 2000, the average education length of females is up to 7.4 years. This digit increases from 7.0 years to 7.4 years in 3 years. However, the female education duration is still 0.8 year less than male's duration. This gap in higher-level of education is larger in rural areas. In the countryside, parents tend to use their limited resources for sons because they believe sons have abilities to bring more back and their contributions to family in the future are more significant than daughters. In an investigation, parents are 21.9% more likely to stop financing girls' education if they come into financial problems and family issues. Boys are provided with more opportunities for further studying, especially after middle school. This difference became more evident in the universities.^[94]

In the 21st century, university education is becoming more prevalent. The total enrollment goes up. Compare to the year of 1977, which is the first year when college entrance examination was recovered, the admission rate increased from 4.8% to 74.86%.^[95] Since the general admission has largely risen, more students got into universities. Although women are assumed to own the same rights of general education, they are forced to do better in the Chinese college entrance examination (Gaokao) than males. Girls need to achieve higher grades than male students in order to get into the same level university. It is an invisible ceiling for Chinese female, especially in the top universities. It is not a public rule but a mainstream consensus among most of Chinese university admission offices. According to a telephone interview with an officer, who declined to give her name, at the Teaching Office at the China University of Political Science and Law, "female students must account for less than 15 percent of students because of the nature of their future career."^[96]

Most females were allowed to pursue education without significant constraints in the Vedic period. Women's education, unlike in the subsequent periods was not neglected. Female scholars were also present during this period. The educators of this period had divided women into two groups – Brahmavadinis and Sadyodvahas. The former were life-long students of philosophy and theology. Sadyodvahas used to continue their studies until they got married. There were many women poets and philosophers, such as Apala, Ghosha, Visvavara, Sulabha Maitreyi and Gargi

The Church Missionary Society tasted greater success in South India. The first boarding school for girls came up in Tirunelveli in 1821. By 1840 the Scottish Church Society constructed six schools with roll strength of 200 Hindu girls. When it was mid-century, the missionaries in Madras had included under its banner, 8,000 girls. Women's employment and education was acknowledged in 1854 by the East Indian Company's Programme: Wood's Dispatch. Slowly, after that, there was progress in female education, but it initially tended to be focused on the primary school level and was related to the richer sections of society. The overall literacy rate for women increased from 0.2% in 1882 to 6% in 1947.^[98]

In western India, Jyotiba Phule and his wife Savitribai Phule became pioneers of female education when they started a school for girls in 1848 in Pune.^[99] In eastern India, apart from important contributions by eminent Indian social reformers like Raja Ram Mohan Roy, Ishwar Chandra Vidyasagar, John Elliot Drinkwater Bethune was also a pioneer in promoting women's education in 19th-century India. With participation of like-minded social reformers like Ramgopal Ghosh, Raja Dakshinaranjan Mukherjee and Pandit Madan Mohan Tarkalankar, he established Calcutta's (now Kolkata) first school for girls in 1849 called the secular Native Female School, which later came to be known as



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Bethune School.^{[100][101]} In 1879, Bethune College, affiliated to the University of Calcutta, was established which is the oldest women's college in Asia.

In 1878, the University of Calcutta became one of the first Indian universities to admit female graduates to its degree programmes, before any British universities would begin to do the same. This point was later raised during the controversy surrounding the 1883 Ilbert Bill, a proposed legislation which would allow Indian judges to judge European offenders. The Anglo-Indian community in India largely opposed the bill, claiming that Indians (both male and female) were largely uneducated and thus unsuited to judging European offenders in court. Indian women who supported the bill responded by noting that they were more educated as a whole then the Anglo-Indian women who opposed the bill, pointing out that more women in India had gained academic degrees than those living in the United Kingdom.^[102]

After India attained independence in 1947, the University Education Commission was created to recommend suggestions to improve the quality of education. However, their report spoke against female education, referring to it as: "Women's present education is entirely irrelevant to the life they have to lead. It is not only a waste but often a definite disability."^[103]

However, the fact that the female literacy rate was at 8.9% post-Independence could not be ignored. Thus, in 1958, a national committee on women's education was appointed by the government, and most of its recommendations were accepted. The crux of its recommendations were to bring female education on the same footing as offered for boys.^[104]

Soon afterwards, committees were created that talked about equality between men and women in the field of education. For example, one committee on differentiation of curriculum for boys and girls (1959) recommended equality and a common curricula at various stages of their learning. Further efforts were made to expand the education system, and the Education Commission was set up in 1964, which largely talked about female education, which recommended a national policy to be developed by the government. This occurred in 1968, providing increased emphasis on female education.^[105]

Before and after Independence, India has been taking active steps towards women's status and education. The 86th Constitutional Amendment Act, 2001, has been a path breaking step towards the growth of education, especially for females. According to this act, elementary education is a fundamental right for children between the ages of 6 and 14. The government has undertaken to provide this education free of cost and make it compulsory for those in that age group. This undertaking is more widely known as Sarva Shiksha Abhiyan (SSA).

Since then, the SSA has come up with many schemes for inclusive as well as exclusive growth of Indian education as a whole, including schemes to help foster the growth of female education.

The major schemes are the following:

- Mahila Samakhya Program: This program was launched in 1988 as a result of the New Education Policy (1968). It was created for the empowerment of women from rural areas especially socially and economically marginalized groups. When the SSA was formed, it initially set up a committee to look into this programme, how it was working and recommend new changes that could be made.^[106]
- Kasturba Gandhi Balika Vidyalaya Scheme (KGBV): This scheme was launched in July, 2004, to provide education to girls at primary level. It is primarily for the underprivileged and rural areas where literacy level for females is very low. The schools that were set up have 100% reservation: 75% for backward class and 25% for BPL (below Poverty line) females.
- National Programme for Education of Girls at Elementary Level (NPEGEL): This programme was launched in July 2003. It was an incentive to reach out to the girls who the SSA was not able to reach through other schemes. The SSA called out to the "hardest to reach girls". This scheme has covered 24 states in India. Under the NPEGEL, "model schools" have been set up to provide better opportunities to girls.^[107]

One notable success came in 2013, when the first two girls ever scored in the top 10 ranks of the entrance exam to the Indian Institutes of Technology (IITs).^[108] Sibbala Leena Madhuri ranked eighth, and Aditi Laddha ranked sixth.^[108]



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In addition, the status and literacy rates between West Bengal and Mizoram were found to be profound; a study compared the two states as they took on politically different approaches to helping empower women (Ghosh, Chakravarti, & Mansi, 2015). In West Bengal, literacy rates were found to be low even after fulfilling the 73rd amendment from 1992. The amendment established affirmative action by allotting 33% of seats at panchayats, or local self-governments, to women. Mizoram chose not to partake in the 73rd Amendment but has seen greater literacy rates, it is second highest in the country, and also has a better sex ratio. It was thus found that affirmative actions steps alone were not enough. Women also need to be given the opportunity to develop through formal education to be empowered to serve and profit from holding these public leadership roles.^[109]

The Canadian start-up Decode Global has developed the mobile game Get Water!, a game for social change focusing on the water scarcity in India and the effect it has on girls' education, especially in slums and rural areas. In areas with no ready access to water, girls are often pulled out of school to collect water for their families.^[110]

Since the 1979 revolution, Iran was under control of Islamic rules, the progress of female education was affected by Islamic ecclesiocracy. Women are forced to wear veiling and are prevented from going to the same school as male students. Female students have to learn different versions of textbooks, which are special editions only for female students. Unmarried women are ineligible for financial aid if they attempt to study abroad. Throughout the past 30 years, the issue of female education has been constantly under debate.^[111]

Iranian women do have desires and abilities to pursue further education. An Iranian high school student can earn a diploma after studying for three years. If students aim to enter colleges, they will stay in the high schools for the fourth year study, which has very intense study. According to researches, 42% of female students choose to have fourth year in the high school but only 28% of male students choose to study in order to enter university. Moreover, women have a much higher probability than men to pass college entrance exams. Islamic female are in need of achieving higher education and truth proved that their abilities are enough for getting higher education. The education opportunities for female need more national attention and less regulations.^[111]

During 1978 and 1979, the proportion of women who participated in universities as students or faculties was rather low. 31% of students admitted to universities were women. For faculty gender composition, there are 14% female. This situation has changed with time passing by. University enrollment was decreased under the influence of Iranian Cultural Revolution. The general enrollment population declined during that time. After the cultural revolution, the amount of enrollment was going up. The increase in the number of university students is accompanied with an increase in female rate.^[111]

Islamic higher education contains five levels: associate, bachelor's, master's, professional doctorate and specialized doctorate.^[111] Before the revolution, the gender gap is obvious in master level and specialized doctorate, which are only 20% and 27%. It has changed after 30 years. In 2007, the female percent in master's degree rose up to 43% and for specialized doctorate degree, this data rose up to 33%.^[112]

Female rate has not only increased in the students but also in faculty. Twenty years ago, only 6% of all professors and 8% of all associated professors were women. Now 8% of all professors and 17% of all associated professors are female.^[111]

While formal education is prevalent amongst Iranian women, non-formal educational intuitions are an option as well. Non-formal education in the Islamic Republic of Iran originated from the Literary Movement Organization (LMO), which aspired to decrease illiteracy rates in the country. Established in 1984, LMO's tremendous efforts rectified the Pahlavi regime's neglect in regards to educating children and populations in rural areas. In the late 1980s, LMO created adult literacy programs, vocational-technical schools, and religious institutions to combat high illiteracy rates. Adult literacy programs teach introductory reading, writing, and math in two cycles. While reading, writing, dictation, and arithmetic are introduced in the first cycle, the second cycle delves into Islamic studies, experimental and social sciences, and the Persian language. Although these educational organizations are gender inclusive, they mainly cater to women; in fact, 71% of enrollees are women between the ages of 15–45. Throughout the 1990s, two-thirds of enrollees in literacy programs were women, which directly led to a dramatic rise (20%) in female literacy rates in Iran from 1987 to 1997.



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Religious schools are another educational route for Iranian women. Their popularity is illustrated by the rise in the institution of "female seminaries" as of 2010. In 1984, Ayatollah Khomeini, former supreme leader of Iran, called for the creation of Jami'at al-Zahra, an alliance of smaller religious schools. This led to the creation of the first female seminary in Iran. These institutions offer the opportunity to earn anything from high school diplomas to doctoral degrees. The acceptance rate for women into these religious institutions was 28% in 2010 (7,000 accepted out of 25,000 applicants).

Newlyweds (women specifically) are educated on family planning, safe sex, and birth control in population control programs. In addition, the government has established rural health houses managed by local health workers. These health professionals travel to different areas in order to impart information about women's health and birth control.

Women in Islam played an important role in the foundations of many educational institutions, such as Fatima al-Fihri's founding of the mosque of Al Karaouine, from which in later centuries developed what some consider the oldest existing, continually operating educational institution in the world according to UNESCO and Guinness World Records,^{[113][114]} in 859. This continued through to the Ayyubid dynasty in the 12th and 13th centuries, when 160 mosques (places of worship) and madrasas (places of education) were established in Damascus, 26 of which were funded by women through the Waqf (charitable trust or trust law) system. Half of all the royal patrons for these institutions were also women.^[115]

According to the Sunni scholar Ibn Asakir, in the 12th century, there were opportunities for female education in the mediaeval Islamic world. Asakir wrote that women should study, earn ijazahs (academic degrees), and qualify as scholars and teachers. This was especially the case for learned and scholarly families, who wanted to ensure the highest possible education for both their sons and daughters.^[116] Ibn Asakir himself had studied under 80 different female teachers in his time. According to a hadith collected in the Saḥih of al-Bukhārī, the women of Medina who aided Muhammad were notable for not letting social mores restrain their education in religious knowledge.^[117]

"How splendid were the women of the anṣār; shame did not prevent them from becoming learned [yatafaqqahna] in the faith."

While it was unusual for females to enroll as students in formal classes, it was common for women to attend informal lectures and study sessions at mosques, madrasas, and other public places. While there were no legal restrictions on female education, some men, such as Muhammad ibn al-Hajj (d. 1336), did not approve of this practice and were appalled at the behaviour of some women who informally audited lectures in his time.^[118]

While women accounted for no more than one percent of Islamic scholars prior to the 12th century, there was a large increase of female scholars after this. In the 15th century, al-Sakhawi devoted an entire volume of his 12-volume biographical dictionary al-Daw' al-lāmi' to female scholars, giving information on 1,075 of them.^[119] More recently, the scholar Mohammad Akram Nadwi, currently a researcher from the Oxford Centre for Islamic Studies, has written 40 volumes on the muhaddithāt (the women scholars of hadīth), and found at least 8,000 of them.^[120]

In ancient Rome, upper class women seem to have been well-educated, some highly so, and were sometimes praised by male historians of the time for their learning and cultivation.^[121] Cornelia Metella, for instance, was distinguished for her knowledge of geometry, literature, music, and philosophy.^[122] In the wall paintings of Pompeii, women are more likely than men to be pictured with writing implements.^[123] Some women had sufficient knowledge of Roman law and oratorical training to conduct court cases on their own behalf, or on behalf of others.^[124] Among occupations that required education, women could be scribes and secretaries, calligraphers,^[125] and artists.^[126]

Some and perhaps many Roman girls went to a ludus. Boys and girls were educated either together or with similar methods and curriculum. One passage in Livy's history assumes that the daughter of a centurion would be in school; the social rank of a centurion was typically equivalent to modern perceptions of the "middle class".^[127] Girls as well as boys participated in public religious festivals, and sang advanced choral compositions that would require formal musical training.^[128]

St. Ita of Ireland—died 570 AD. Founder and teacher of a co-ed school for girls and boys at her monastery of Cell Ide. Several important saints studied under her, including St. Brendan the Navigator.^[129]



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Caesaria the Younger—died 550 AD. Successor to the sister of St. Caesarius and abbess of the convent he founded for her nuns, Caesaria the Younger continued the teaching of over a hundred women at the convent and aided in the copying and preservation of books.^[130]

St. Hilda of Whitby—died 680 AD. Founder of the co-ed monastery of Whitby (men and women lived in separate houses), she established a center of education in her monastery similar to what was founded by the Frankish nuns. According to the Venerable Bede, "Her prudence was so great, that not only meaner men in their need, but sometimes even kings and princes, sought and received her counsel."^[131]

St. Bertilla—died c. 700 AD. Queen Bathild requested her services for the convent she had founded at Chelle. Her pupils founded convents in other parts of western Europe, including Saxony.^[132]

St. Leoba—died 782 AD. St. Boniface requested her presence on his mission to the Germans and while there she founded an influential convent and school.

St. Bede the Venerable reports that noble women were often sent to these schools for girls even if they did not intend to pursue the religious life,^[133] and St. Aldhelm praised their curriculum for including grammar, poetry, and scriptural study.^[134] The biography of Sts. Herlinda and Renilda also demonstrates that women in these convent schools could be trained in art and music.^[135]

During his reign, Emperor Charlemagne had his wife and daughters educated in the liberal arts at the Palace Academy of Aachen,^[136] for which he is praised in the Vita Karolini Magni. There is evidence that other nobles had their daughters educated at the Palace Academy as well. In line with this, authors such as Vincent of Beauvais indicate that the daughters of the nobility were widely given to education so that they could satisfy the expectations of their future social positions.

During the late Middle Ages in England, a girl could receive an education in the home, in domestic service, in a classroom hosted in a royal or aristocratic household, or in a convent. There is some evidence of informal elementary schools in late medieval towns, where girls may have received some schooling from parish priests or clerks. Near the end of the Middle Ages, references to women as schoolteachers appear in some French and English records. The instruction of girls was usually oral, although instructors sometimes read texts aloud to girls until they could read on their own. Families with the status and financial means could send daughters to nunneries for education outside the home. There, they could encounter a wide range of reading material, including spiritual treatises, theological studies, lives of the fathers, histories, and other books.^[137]

In 1237, Bettisia Gozzadini earned a law degree at the University of Bologna, becoming the first woman to graduate university. In 1239 she taught there, becoming first woman believed to teach at a university.

In early modern Europe, the question of female education had become a commonplace one, in other words a literary topos for discussion. Around 1405 Leonardo Bruni wrote De studies et letteris,^[138] addressed to Baptista di Montefeltro, the daughter of Antonio II da Montefeltro, Duke of Urbino; it commends the study of Latin, but warns against arithmetic, geometry, astronomy, and rhetoric. In discussing the classical scholar Isotta Nogarola, however, Lisa Jardine^[139] notes that (in the middle of the 15th century), 'Cultivation' is in order for a noblewoman; formal competence is positively unbecoming. Christine de Pisan's Livre des Trois Vertus is contemporary with Bruni's book, and sets down the things which a lady or baroness living on her estates ought to be able to do.^[140]

In his 1516 book Utopia, Thomas More advocated for women to have the right to education.^[141]

Erasmus wrote at length about education in De pueris instituendis (1529, written two decades before); not mostly concerned with female education,^[142] in this work he does mention with approbation the trouble Thomas More took with teaching his whole family.^[143] Catherine of Aragon "had been born and reared in one of the most brilliant and enlightened of European courts, where the cultural equality of men and women was normal".^[144] By her influence, she made education for English women both popular and fashionable. In 1523, Juan Luis Vives, a follower of Erasmus, wrote in Latin his De institutione feminae Christianae.^[145] This work was commissioned by Catherine, who had charge of the education of her daughter for the future Queen Mary I of England; in translation it appeared as Education of a Christian Woman.^[146] It is in line with traditional didactic literature, taking a strongly religious direction.^[147] It also



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placed a strong emphasis on Latin literature.^[148] Also Comenius was an advocate of formal education for women.^[149] In fact his emphasis was on a type of universal education making no distinction between humans; with an important component allowed to parental input, he advocated in his Pampaedia schooling rather than other forms of tutoring, for all.^[150]

The Reformation prompted the establishment of compulsory education for boys and girls. Most important was Martin Luther's text 'An die Ratsherren aller Städte deutschen Landes' (1524), with the call for establishing schools for both girls and boys.^[151] Especially the Protestant South-West of the Holy Roman Empire, with cities like Strassburg, became pioneers in educational questions. Under the influence of Strasbourg in 1592, the German Duchy Pfalz-Zweibrücken became the first territory of the world with compulsory education for girls and boys.^[152]

Elizabeth I of England had a strong humanist education, and was praised by her tutor Roger Ascham.^[153] She fits the pattern of education for leadership, rather than for the generality of women. When Johannes Sturm published Latin correspondence with Ascham centred on the achievements in humanist study of Elizabeth and other high-ranking English persons, in Konrad Heresbach's De laudibus Graecarum literarum oratio (1551), the emphasis was on the nobility of those tackling the classics, rather than gender.^[154]

The issue of female education in the large, as emancipatory and rational, is broached seriously in the Enlightenment. Mary Wollstonecraft, who worked as a teacher, governess, and school-owner, wrote of it in those terms. Her first book was Thoughts on the Education of Daughters, years before the publication of A Vindication of the Rights of Woman.

The historian, Hannah Lawrance (1795–1875), played an important role in nineteenth-century public debate about women's education. Like Catharine Macaulay and Mary Wollstonecraft, she argued that virtue had no sex and she promoted the broad education of women in order to increase their opportunities for employment. But unlike her bluestocking predecessors, she derived her argument from a scholarly reappraisal of women's history.^[155]

Laura Bassi, an Italian woman, earned a Ph.D. degree at the University of Bologna in Italy in 1732,^{[156][157][158][159]} and taught physics at the same university.^[160] She was first woman to have doctorate in science. Working at the University of Bologna, she was also the first salaried woman teacher in a university and at one time she was the highest paid employee. She was also the first woman member of any scientific establishment, when she was elected to the Academy of Sciences of the Institute of Bologna in 1732.^{[161][162]}

The first state-financed higher education institution for women in Europe, Smolny Institute for Noble Maidens [ru], was established by Catherine II of Russia in 1764. The Commission of National Education in the Polish–Lithuanian Commonwealth, founded in 1777, considered the first Ministry of Education in history, was a central, autonomous body responsible for nationwide, secular and coeducational training. In the late 19th century, in what was then the Russian province of Poland, in response to the lack of higher training for women, the so-called Flying University was organized, where women were taught covertly by Polish scholars and academics. Its most famous student was Maria Skłodowska-Curie, better known as Marie Curie, who went on to win two Nobel Prizes.

Much education was channelled through religious establishments. Not all of these educated women only for marriage and motherhood; for example, Quaker views on women had allowed much equality from the foundation of the denomination in the mid-17th century. The abolitionist William Allen and his wife Grizell Hoare set up the Newington Academy for Girls in 1824, teaching an unusually wide range of subjects from languages to sciences.

Actual progress in institutional terms, for secular education of women, began in the West in the 19th century, with the founding of colleges offering single-sex education to young women. These appeared in the middle of the century. The Princess: A Medley, a narrative poem by Alfred Lord Tennyson, is a satire of women's education, still a controversial subject in 1848, when Queen's College first opened in London. Emily Davies campaigned for women's education in the 1860s, and founded Girton College in 1869, as did Anne Clough found Newnham College in 1875. Progress was gradual, and often depended on individual efforts—for example, those of Frances Lupton, which led to the founding of the Leeds Girls' High School in 1876. W. S. Gilbert parodied Tennyson's poem and treated the themes of women's higher education and feminism in general with The Princess in 1870 and Princess Ida in 1883.



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Once women began to graduate from institutions of higher education, there steadily developed also a stronger academic stream of schooling, and the teacher training of women in larger numbers, principally to provide primary education. Women's access to traditionally all-male institutions took several generations to become complete.

The interrelated themes of barriers to education and employment continued to form the backbone of feminist thought in the 19th century, as described, for instance, by Harriet Martineau in her 1859 article "Female Industry" in the Edinburgh Journal. Despite the changes in the economy, the position of women in society had not greatly improved and, unlike Frances Power Cobbe, Martineau did not support the emerging call for the vote for practical reasons.

Slowly the efforts of women like Emily Davies and the Langham group (under Barbara Leigh Smith Bodichon) started to make inroads. Queen's College (1848) and Bedford College (1849) in London started to offer some education to women, and by 1862 Davies was establishing a committee to persuade the universities to allow women to sit for the recently established (1858) Cambridge Local Examinations, with partial success (1865). A year later she published The Higher Education of Women. She and Bodichon founded the first higher educational institution for women, with five students, which became Girton College, Cambridge in 1873, followed by Somerville College and Lady Margaret Hall at Oxford in 1879. Bedford had started awarding degrees the previous year. Despite these measurable advances, few could take advantage of them and life for women students was very difficult.

As part of the continuing dialogue between British and American feminists, Elizabeth Blackwell, the first woman in the U.S. to graduate in medicine (1849), lectured in Britain with Langham support. They also supported Elizabeth Garrett's attempts to assail the walls of British medical education against strong opposition; she eventually took her degree in France. Garrett's successful campaign to run for office on the London School Board in 1870 is another example of how a small band of determined women were starting to reach positions of influence at the level of local government and public bodies.

Girls were included as pupils in the first attempt of a public elementary school system in 1739, though this attempt was not fully realized until 1814.^[163] From the foundation of the J. Cl. Todes Døtreskole in the 1780s, schools for secondary education for females were established in the capital of Copenhagen, though female teachers were only allowed to teach girls or very small boys.^[163] One of the first schools for females of any note was the Døtreskolen af 1791, and in the 1840s, schools for girls spread outside the capital and a net of secondary education girl schools was established in Denmark. The first college for women, the teachers seminary Den højere Dannelsesanstalt for Damer, was opened in 1846.^[164] In 1875, women were given access to university education.^[163]

In the late 18th and early 19th centuries, private schools for girls were established in Finland; among the better known were those of Christina Krook, Anna Salmberg and Sara Wacklin, preferred by those who did not wish to send their daughters to schools in Sweden. The private girls' schools were, however, criticized for shallow education of accomplishments, which resulted in girls' education being included in the school reform of 1843. The following year, two Swedish-language state schools for girls was founded in Turku and Helsinki: Svenska fruntimmersskolan i Åbo and Svenska fruntimmersskolan i Helsingfors.^[165] This led to the establishment of a net of girls' schools of a similar kind in Finland. At first these schools were reserved for girls from upper-class families.

At this time it was not possible for the girls to pass the baccalaureate and move on to university studies. In 1865, a grammar school made it clear that only girls whose upbringing and manners were impeccable, whose company could not be considered detrimental to others, and who were from "respectable" families could be in that school.

After the first woman in Finland, Maria Tschetschulin, was accepted as a university student by dispensation in 1870, advanced classes and college classes were included in many girls' schools to prepare students for university (by means of dispensation). In 1872, the demand that all students must be members of the Swedish-speaking upper classes was dropped. Women were given the right to teach in grammar schools for girls in 1882.^[166]

As was normal in Catholic countries in Europe, girls were normally educated in convent schools for girls operated by nuns, such as Abbaye de Penthemont in Paris. A rare exception was Maison royale de Saint-Louis, founded by Madame de Maintenon in 1684. After the French revolution, girls' schools became more common, often operated by governesses—a famous pioneer school being that of Jeanne-Louise-Henriette Campan.



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France formally included girls in the state elementary education school system in 1836, but girls and boys were only integrated in the lower levels; the secondary education of girls was entrusted to girls' schools managed by nuns or governesses, who lacked necessary qualifications.^[167] When women were formally allowed to attend university in France in 1861, for them to qualify was often difficult due to the poor quality of their secondary education. When the problem of unqualified female teachers in girls' secondary education was addressed by a state teacher's seminary for women as well as state secondary education for girls, both of these were still gender segregated.^[167] The French school system was not desegregated on the middle secondary education level until the 20th century.

Germany was a pioneer in the education of girls. Beginning in the 17th century, schools for girls were opened in both Catholic Southern Germany as well as Protestant Northern Germany.^[168] In Catholic Germany, the Catholic Ursuline and Elisabeth sisters established first elementary education schools for poor children and orphans and eventually (before 1750), also a type of secondary education girls' schools for wealthy girls called "daughters institutes", which were essentially finishing schools.^[168] In Protestant Germany, the great Pietist school innovator August Hermann Francke of Halle founded Gynaeceum, the first girls' school or 'Mädchenschule' in 1698.^[168] The Gynaeceum was followed by many Pietist girls schools in Germany, notably the Magdalenenstift in Altenburg and Johann Julius Hecker's Royal Elisabeth School in Berlin in 1747.^[168]

In the 18th century, it became common with so called Töchterschulen ('daughters' schools') in German cities, supported by the merchant class who wished for their daughters to be given elementary schooling, as well as girls' schools known as Mädchenpensionate, essentially finishing schools for upper class daughters.^[168] In the early 19th century, girls' secondary schools known as höhere Töchterschulen ('daughters' high schools') became common; in many German cities later in the century, these schools were given government support, became public and had their education adjusted to become equivalents of boys' high schools.^[168] In 1908, women were allowed to attend university; in the 20th century, the public secondary education system was integrated.^[168]

Religion and cultural traditions had an influence on education for both girls and boys in the education system.

Schools in Ireland taught more than academics.^[169] They taught about social practices such as manners and conversation skills. Other skills that could help create "proper" adults.^[170] Therefore, most schools aimed their female education to help reinforce women's values and proper education for the future mothers of the generation while limiting their educational opportunities compared to their male classmates.^[171]

By the 1830s in Ireland, there was an introduction of a national education system to educate the classes who could not afford proper education. Therefore, more schools were built to house incoming students of all social classes.^[172] Yet, according to superintendents, there was poor student attendance amongst the children due to their chores, illness, bad weather, or the lack of clothing.^[173] Most girls in Irish schools had multiple absences and were the majority of the statistic in school due to duties at home.^[173]

Most girls had to leave school early or be home after school to look after the house and their siblings.^[173] This would often be overlooked due to the impression that boys' education was more important than their female classmates.^[174] However, by 1892, school attendance was made mandatory for students.^[175]

Girls could attend a fee-paying school in Ireland from the ages of 7/8 to 17/18 years of age,^[176] although, since education can be expensive, they most often put the boys in school, with the impression that they would need it more.^[176]

By the second half of the 19th century, female students were criticized for learning other skills, such as artistic skills like the piano and painting.^[177] Although the education was often poor, some schools, such as the Protestant and Catholics schools, had the opportunity to teach more of the present-day academics, such as math.^[177]

Girls from urban families with parents who did not know how to read or write, still were taught religion and skills of the family trade.^[178]

Some families relied on private, in-home education through tutors or siblings. This form of education was usually expensive, and therefore, only middle to upper-classed families could afford it.^[179]



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By the time of the Reforms of Peter the Great in the 18th century, women's education in Russia was almost non existent, and even noblewomen were often illiterate. With the exceptions of some smaller private schools in the Western European foreign colony of St Petersburg, women's education in Russian started when empress Catherine the Great opened the pioneering state girls' schools Smolny Institute in St Petersburg in 1764 and Novodevichii Institute in Moscow in 1765.^[180] The quality of these schools were very high even for Western European standards, and they became a role model for later girls' schools in Russia. The were followed by both private girls' schools as well as by state schools who allowed girls in the lower classes, and in 1792, there were 302 state schools in European Russia with 17,178 pupils, 1,178 of whom were girls.^[181]

The state schools however only allowed girls in the elementary education classes, not on the secondary education lewel, and the majority of the private girls' schools gave a shallow education of accomplishments with focus on becoming a wife and mother or, if they failed in marrying, a seamstress or governess.^[181]

In the 1850s the women's movement started in Russia, which were firstly focused on charity for working-class women and greater access to education for upper- and middle-class women, and they were successful since male intellectuals agreed that there was a need for secondary education for women, and that the existing girls' schools were shallow.^[182]

From 1857 public secondary education girls' schools, called lyceum or girls' gymnasiums (as the equivalent to the state gymnasium's for boys), were opened in Russia. The Russian school regulation for state secondary girls' schools of 1860 stated that in contrast to state secondary boys' school, which were to prepare students for university, girls were foremost to be educated to become wives and mothers.^[183] Since the abolition of serfdom in Russia in 1861, village folk schools were established for the peasantry where boys and girls were given elementary education together as children, but until the Russian revolution the law mandated that secondary education was always to be gender-segregated in accordance with the school regulation of 1870.^[184]

Women were allowed to attend lectures at the university in 1861, but were banned again when they attempted to enroll as students in 1863. When this resulted in women studying in Western Europe (mainly Switzerland), the Guerrier Courses opened in Moscow in 1872 and the Bestuzhev Courses in St Petersburg in 1878: however they did not issue formal degrees, and women were not allowed to attend university until 1905.^[185] After the Russian revolution of 1917, men and women were given equal access to education on all levels.

Around 1800, girls' middle-secondary schools begun to appear, and become more common during the 19th century. By the mid 1970s, most of them had been scrapped and replaced with coeducation.^[186]

By a law from the 1570s (1571 års kyrkoordning), girls as well as boys were expected to be given elementary schooling. The establishment for girls' schools was left to each city's own authorities, and no school for girls were founded until the Rudbeckii flickskola in 1632, and that school was to be an isolated example. However, schools for boys did accept female students at the lowest lewels and occasionally even at high levels: Ursula Agricola and Maria Jonae Palmgren were accepted at Visingsö Gymnasium in 1644 and 1645 respectively, and Aurora Liljenroth graduated from the same school in 1788.

IV.CONCLUSIONS

During the 18th century, many girls' schools were established, referred to as Mamsellskola (Mamsell School) or Franskpension (French Pension).^[187] These schools could normally be classified as finishing schools, with only a shallow education of polite conversation in French, embroidery, piano playing and other accomplishments, and the purpose was only to give the students a suitable minimum education to be a lady, a wife and a mother.^[187]

In the first half of the 19th century, a growing discontent over the shallow education of women eventually resulted in the finishing schools being gradually replaced by girls' schools with a higher level of academic secondary education, called "Higher Girl Schools", in the mid-19th century.^[187] At the time of the introduction of the compulsory elementary school for both sexes in Sweden in 1842, only five schools in Sweden provided academic secondary education to females: the Societetsskolan (1786), Fruntimmersföreningens flickskola (1815) and Kjellbergska flickskolan (1833) in Gothenburg, Askersunds flickskola (1812) in Askersund, and Wallinska skolan (1831) in Stockholm.^[187]



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During the second half of the 19th century, there were secondary education girl schools in most Swedish cities.^[187] All of these were private, with the exception of the women's college Högre lärarinneseminariet in Stockholm from 1861, and its adjacent girls' school Statens normalskola för flickor.^[187] The Girls' School Committee of 1866 organized the regulation of girls' schools and female education in Sweden: from 1870, some girls' schools were given the right to offer the Gymnasium level to their students, and from 1874, those girls' schools which met the demands were given governmental support and some were given the right to administer the school leaving exam.^[187] This was necessary to make it possible for women to enroll at the universities, which had been opened to women in 1870, as female students were not accepted in the same middle schools as male students.^[187]

Between 1904 and 1909, girls were integrated in state boys' schools on the secondary lewels, which made it possible for girls to complete their elementary and middle lewel education in a state school instead of having to go to an expensive private girls' school.^[187] Finally in 1927, all state secondary schools for boys were integrated, and the private girls' schools started to be transformed into co-educational schools, a process which was completed by 1970.^[187]

In the Roman Catholic tradition, concern for female education has expressed itself from the days of the Catechetical School of Alexandria, which in the 200s AD had courses for both men and women.^[188] Later Church writers such as St. Ambrose, St. Augustine, and St. Jerome all left letters of instruction for women in convents that they either founded or supported. In the Middle Ages, several religious institutes were established with ministries addressing women's education. For medieval examples of convent schools, which are one form of such institutions, see the examples at the section on the medieval period. In the early modern period, this tradition was continued with the Ursulines (1535) and the Religious of the Sacred Heart of Mary (1849).^[189] Contemporary convent schools are usually not restricted to Catholic pupils. Students in contemporary convent education may be boys (particularly in India).

References

- Усамов, И.Р. (2019-12-18). "Digital Transformation of Education: Challenges and Prospects". Вестник ГГНТУ.
 Гуманитарные
 и
 социально-экономические науки. 3 (17). doi:10.34708/gstou.2019.17.3.021. ISSN 2686-9721. S2CID 242230851.
- 2. ^ Osler, Audrey; Vincent, Kerry (2003-12-16). Girls and Exclusion. doi:10.4324/9780203465202. ISBN 9781134412839.
- ^A Osman, Abdal Monium Khidir (November 2002). "Challenges for integrating gender into poverty alleviation programmes: Lessons from Sudan". Gender & Development. 10 (3): 22– 30. doi:10.1080/13552070215922. ISSN 1355-2074. S2CID 71270250.
- [^] Dekkers, Hetty P.J.M.; Bosker, Roel J.; Driessen, Geert W.J.M. (March 2000). "Complex Inequalities of Educational Opportunities. A Large-Scale Longitudinal Study on the Relation Between Gender, Social Class, Ethnicity and School Success". Educational Research and Evaluation. 6 (1): 59–82. doi:10.1076/1380-3611(200003)6:1;1-i;ft059. ISSN 1380-3611. S2CID 144400482.
- 5. ^ Cracking the code: girls' and women's education in science, technology, engineering and mathematics (STEM). Paris: UNESCO. 2017. ISBN 9789231002335.
- 6. ^ "Historical summary of faculty, students, degrees, and finances in degree-granting institutions: Selected years, 1869-70 through 2005-06". Nces.ed.gov. Retrieved 2014-08-22.
- 7. ^ "CAMFED USA: What we do". CAMFED. Archived from the original on October 9, 2011. Retrieved October 11, 2011.
- 8. ^ "Girls Education: A lifeline to development". 1995. Archived from the original on 2021-04-25. Retrieved 2022-02-03.
- 9. ^ Filmer, Deon (2007-06-29). "If you build it, will they come? School availability and school enrolment in 21 poor countries". The Journal of Development Studies. 43 (5): 901–928. doi:10.1080/00220380701384588. ISSN 0022-0388. S2CID 216140496.
- 10. ^ Herz, Barbara; Subbarao, K.; Habib, Masooma; Raney, Laura (1991-09-30). "Letting girls learn". World Bank Discussion Papers. doi:10.1596/0-8213-1937-x. ISBN 978-0-8213-1937-6. ISSN 0259-210X.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor:7.215

- ^ Paudel, Ramesh C. (2019-12-31). "Collier, P. (2008). The Bottom Billion: Why the Poorest Countries are Failing and What Can be Done About It, Oxford University Press, USA". Economic Journal of Nepal. 42 (3– 4): 79–82. doi:10.3126/ejon.v42i3-4.36039. ISSN 1018-631X. S2CID 242154293.
- 12. ^ "What Have We Learned About Moral Courage in Organizations?", Moral Courage in Organizations: Doing the Right Thing at Work, Routledge, pp. 235–240, 2015-03-26, doi:10.4324/9781315702285-28, ISBN 978-1-315-70228-5, retrieved 2023-03-25
- [^] Grimm, Wolfram (November 2006). "What Is Evidence-Based, What Is New in Medical Therapy of Acute Heart Failure?". Herz Kardiovaskuläre Erkrankungen. 31 (8): 771–779. doi:10.1007/s00059-006-2910y. ISSN 0340-9937. PMID 17149679. S2CID 38811473.
- 14. ^ "Plan Overseas Why Girls?". Plan Canada. Archived from the original on November 13, 2011. Retrieved October 29, 2011.
- 15. ^ "Plan Overseas Education Girl-friendly schools see enrollment rates soar in Burkina Faso". Plan Canada. Archived from the original on October 11, 2011. Retrieved October 29, 2011.
- 16. ^ Chandra, Anjani; Martinez, Gladys M.; Mosher, William D.; Abma, Joyce C.; Jones, Jo (2005). "Fertility, family planning, and reproductive health of U.S. women: Data from the 2002 National Survey of Family Growth". PsycEXTRA Dataset. doi:10.1037/e414702008-001. Retrieved 2023-03-25.
- 17. ^ "Kakkar, Baron, (Ajay Kumar Kakkar) (born 28 April 1964)", Who's Who, Oxford University Press, 2010-12-01, doi:10.1093/ww/9780199540884.013.u251313, retrieved 2023-03-25
- [^] Ross, Catherine E.; Mirowsky, John; Goldsteen, Karen (November 1990). "The Impact of the Family on Health: The Decade in Review". Journal of Marriage and the Family. 52 (4): 1059. doi:10.2307/353319. ISSN 0022-2445. JSTOR 353319.
- [^] Miller, Brent C.; Moore, Kristin A. (November 1990). "Adolescent Sexual Behavior, Pregnancy, and Parenting: Research through the 1980s". Journal of Marriage and the Family. 52 (4): 1025. doi:10.2307/353317. ISSN 0022-2445. JSTOR 353317.
- ^A Bongaarts], [John; Rindfuss, Ronald R.; Morgan, S. Philip; Swicegood, Gray (December 1988). "First Births in America: Changes in the Timing of Parenthood". Population and Development Review. 14 (4): 747. doi:10.2307/1973641. ISSN 0098-7921. JSTOR 1973641.
- ^A Harrison, Abigail; O'Sullivan, Lucia F. (2010-03-31). "In the Absence of Marriage: Long-Term Concurrent Partnerships, Pregnancy, and HIV Risk Dynamics Among South African Young Adults". AIDS and Behavior. 14 (5): 991–1000. doi:10.1007/s10461-010-9687-y. ISSN 1090-7165. PMC 3848496. PMID 20354777.
- 22. ^ Kuperberg, Arielle (2014-03-04). "Age at Coresidence, Premarital Cohabitation, and Marriage Dissolution: 1985-2009". Journal of Marriage and Family. 76 (2): 352–369. doi:10.1111/jomf.12092. ISSN 0022-2445.
- 23. ^ Leke, Robert J. I.; Oduma, Jemimah A.; Bassol-Mayagoitia, Susana; Bacha, Angela Maria; Grigor, Kenneth M. (July 1993). "Regional and Geographical Variations in Infertility: Effects of Environmental, Cultural, and Socioeconomic Factors". Environmental Health Perspectives. 101: 73–80. doi:10.2307/3431379. ISSN 0091-6765. JSTOR 3431379. PMID 8243409.
- 24. ^A Farzaneh Roudi-Fahimi; Valentine M. Moghadam. "Empowering Women, Developing Society: Female Education in the Middle East and North Africa". Population Reference Bureau. Archived from the original on 2011-10-25. Retrieved October 29, 2011.
- 25. ^ Population, Education and Development (PDF). United Nations. 2003. ISBN 978-92-1-151382-0. Retrieved October 29, 2011.
- 26. ^ "Taking action: achieving gender equality and empowering women". Choice Reviews Online. 43 (4): 43–2525–43-2525. 2005-12-01. doi:10.5860/choice.43-2525. ISSN 0009-4978.
- 27. ^ "EDUCATING GIRLS". Drawdown. Archived from the original on 14 October 2019. Retrieved 4 July 2019.
- 28. ^A Vaughan, Mary Kay (1997-03-01). Cultural Politics in Revolution. University of Arizona Press. doi:10.2307/j.ctv1d6q40z. ISBN 978-0-8165-4310-6.
- 29. ^ Durrant, Joan E.; Smith, Anne B., eds. (2010-12-20). Global Pathways to Abolishing Physical Punishment. Routledge. doi:10.4324/9780203839683. ISBN 978-1-136-88635-5.



in

International Journal of Innovative Research in Science, Engineering and Technology

A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor: 7.215

- 30. ^ Pratt,
 John;
 Eriksson,
 Anna
 (2014-06-03). Contrasts

 Punishment. doi:10.4324/9780203096116. ISBN 9780203096116.
 Signature
 (2014-06-03). Contrasts
- 31. ^ Backman Prytz, Sara; Westberg, Johannes (2022). ""Arm the Schoolmistress!" Loneliness, Male Violence, and the Work and Living Conditions of Early Twentieth-Century Teachers in Sweden". History of Education Quarterly. 62 (1): 18–37. doi:10.1017/heq.2021.55. S2CID 246488899.
- 32. ^ Mumtaz, Sarwat; Bahk, Jinwook; Khang, Young-Ho (2017-10-17). "Rising trends and inequalities in cesarean section rates in Pakistan: Evidence from Pakistan Demographic and Health Surveys, 1990-2013". PLOS ONE. 12 (10): e0186563. doi:10.1371/journal.pone.0186563. ISSN 1932-6203. PMID 29040316.
- ^A Blair, Graeme; Christine Fair, C.; Malhotra, Neil; Shapiro, Jacob N. (2012-07-16). "Poverty and Support for Militant Politics: Evidence from Pakistan". American Journal of Political Science. 57 (1): 30– 48. doi:10.1111/j.1540-5907.2012.00604.x. ISSN 0092-5853.
- 34. ^ Khan, Hafiz Muhammad Ather; Sindher, Riaz Hussain Khan; Hussain, Irshad (2013). "Studying the role of education in eliminating violence against women". Pakistan Journal of Commerce and Social Sciences. 7 (2): 405–416. hdl:10419/188100. ProQuest 1517529927.
- 35. ^ Marrs Fuchsel, L. Catherine (2014). "'Yes, I Feel Stronger with More Confidence and Strength:' Examining the Experiences of Immigrant Latina Women (ILW) Participating in the Si, Yo Puedo Curriculum". Journal of Ethnographic & Qualitative Research. 9 (2): 161–182. ERIC EJ1064075.
- 36. ^ "UNICEF". www.unicef.org. Retrieved 2023-03-20.
- 37. ^ "BMC Women's Health". BioMed Central. Retrieved 2023-03-20.
- 38. ^ Bray, Mark; Hajar, Anas (2022-08-08), "Educational and social impact", Shadow Education in the Middle East, London: Routledge, pp. 54–61, doi:10.4324/9781003317593-5, ISBN 9781003317593, retrieved 2023-03-25
- Alkhaldi, Amal Hatem; Burgess, John; Connell, Julia (2014-12-01). "The Transfer of HRM Policies and Practices in American Multinational Hotels in Saudi Arabia". International Research Journal of Business Studies. 7 (3): 155–164. doi:10.21632/irjbs.7.3.155-164. ISSN 2089-6271.
- 40. ^ Khoja-Moolji, Shenila (20 April 2015). "Suturing Together Girls and Education: An Investigation Into the Social (Re)Production of Girls' Education as a Hegemonic Ideology". Diaspora, Indigenous, and Minority Education. 9 (2): 87–107. doi:10.1080/15595692.2015.1010640. S2CID 143790091.
- 41. ^ Chinen, Marjorie; Hoop, Thomas; Alcázar, Lorena; Balarin, María; Sennett, Josh (January 2017). "Vocational and business training to improve women's labour market outcomes in low- and middle-income countries: a systematic review". Campbell Systematic Reviews. 13 (1): 1–195. doi:10.4073/csr.2017.16.
- 42. ^ UNESCO, EQUALS Skills Coalition (2019). "I'd blush if I could: closing gender divides in digital skills through education" (PDF).
- 43. ^ Hempel, Jessi (28 October 2015). "Siri and Cortana Sound Like Ladies Because of Sexism". Wired.
- 44. ^ Cracking the code: Girls' and women's education in science, technology, engineering and mathematics (STEM) (PDF). UNESCO. 2017. ISBN 978-92-3-100233-5.
- 45. ^ Anello, Laura (2011-03-22). "A Palermo la favola della Down diventata dottoressa". La Stampa Italia (in Italian). Retrieved 2013-10-06.
- 46. ^ "Giusi Spagnolo, la prima laureata Down d Italia". Lottimista.com. Archived from the original on 2013-09-25. Retrieved 2013-10-06.
- 47. ^ Leach, Fiona (March 2012). "Resisting conformity: Anglican mission women and the schooling of girls in early nineteenth-century West Africa". History of Education. 41 (2): 133–153. doi:10.1080/0046760X.2011.582048. S2CID 144485341.
- ^A Erlank, Natasha (November 2000). "'Raising Up the Degraded Daughters of Africa': The Provision of Education for Xhosa Women in the Mid-Nineteenth Century". South African Historical Journal. 43 (1): 24– 38. doi:10.1080/02582470008671906. S2CID 143832577.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor: 7.215

- 49. ^A Keshavjee, Rashida (February 2010). "The elusive access to education for Muslim women in Kenya from the late nineteenth century to the 'Winds of Change' in Africa (1890s to 1960s)". Paedagogica Historica. 46 (1–2): 99–115. doi:10.1080/00309230903528488. S2CID 143964604.
- 50. ^ "In Kenya, a grandmother in her 90s attends fourth grade". CNN.com. 2015-03-02. Retrieved 2015-04-17.
- 51. ^ "Priscilla Sitienei: 'World's oldest primary school pupil' dies aged 99 in Kenya". BBC News. 18 November 2022. Retrieved 19 November 2022.
- 52. ^ Day, Lynda (1998). "Rites and Reason: Precolonial Education and Its Relevance to the Current Production and Transmission of Knowledge". In Bloch, Marianne N.; Beoku-Betts, Josephine A.; Tabachnick, B. Robert (eds.). Women and Education in Sub-Saharan Africa: Power, Opportunities, and Constraints. L. Rienner Publishers. pp. 49–72. ISBN 978-1-55587-704-0.
- 53. ^ Akyeampong, Emmanuel Kwaku; Gates, Jr., Henry Louis (2012). Dictionary of African Biography, Volumes 1-6. Oxford University Press. p. 283. ISBN 9780195382075.
- 54. ^ Boyd, Jean; Last, Murray (1985). "The Role of Women as "Agents Religieux" in Sokoto". Canadian Journal of African Studies. 19 (2): 283–300. doi:10.2307/484826. ISSN 0008-3968. JSTOR 484826.
- 55. ^ Merritt, Nikki (1994). "Nana Asma'u, Her Elegies and the Possibility of 'Insider Alternatives'". African Languages and Cultures. 7 (2): 91–99. doi:10.1080/09544169408717779. JSTOR 1771806. S2CID 191426813.
- 56. [^] Graham, C.K. (1971). The History of Education in Ghana: From the Earliest Times to the Declaration of Independence. Routeledge.^[page needed]
- 57. ^ Allman, Jean (1 October 1994). "Making Mothers: Missionaries, Medical Officers and Women's Work in Colonial Asante, 1924–1945". History Workshop Journal. 38 (1): 23–47. doi:10.1093/hwj/38.1.23. PMID 11639388. S2CID 12012354.
- 58. ^ Van Allen, Judith (January 1972). "'Sitting on a Man': Colonialism and the Lost Political Institutions of Igbo Women". Canadian Journal of African Studies. 6 (2): 165–181. doi:10.1080/00083968.1972.10803664.
- 59. ^ Lindsay, Lisa (2007). Africa After Gender?. Bloomington: Indiana University Press. pp. Chapter: Working with Gender: The Emergence of the "Male Breadwinner" in Colonial Southwestern Nigeria.^[page needed]
- 60. ^ Ray, Carina (2016). Crossing the Color Line: Race, Sex, and the Contested Politics of Colonialism in Ghana. Athens: Ohio University Press.
- 61. ^ Hollos, Marida (1998). "The Status of Women in Southern Nigeria: Is Education a Help or a Hindrance?". In Bloch, Marianne N.; Beoku-Betts, Josephine A.; Tabachnick, B. Robert (eds.). Women and Education in Sub-Saharan Africa: Power, Opportunities, and Constraints. L. Rienner Publishers. pp. 247–276. ISBN 978-1-55587-704-0.
- 62. ^ UNESCO Division of Statistics, African (1995). Female Participation in Education in Sub-Saharan Africa. Nairobi: UNESCO Division of Statistics, African Academy of Sciences.
- 63. [^] Gachukia, Edduh (1995). The Education of Girls and Women in Africa. Nairobi: Forum for African Women Educationalists.
- 64. ^ Iqbal, Anwar (2023-01-24). "UN dedicates World Education Day to Afghan girls and women". DAWN.COM. Retrieved 2023-01-25.
- 65. ^ Stromquist, Nelly P. (1998). "Agents in Women's Education: Some Trends in the African Context". In Bloch, Marianne N.; Beoku-Betts, Josephine A.; Tabachnick, B. Robert (eds.). Women and Education in Sub-Saharan Africa: Power, Opportunities, and Constraints. L. Rienner Publishers. pp. 25–46. ISBN 978-1-55587-704-0.
- 66. ^ Vavrus, Frances; Bloch, Marianne (1998). "Gender and Educational Research, Policy and Practice in Sub-Saharan Africa: Theoretical and Empirical Problems and Prospects". In Bloch, Marianne N.; Beoku-Betts, Josephine A.; Tabachnick, B. Robert (eds.). Women and Education in Sub-Saharan Africa: Power, Opportunities, and Constraints. L. Rienner Publishers. pp. 1–24. ISBN 978-1-55587-704-0.
- 67. ^ Anderson-Levitt, Kathryn M.; Bloch, Marianne; Soumare, Aminata M. (1998). "Inside Classrooms in Guinea: Girls' Experiences". In Bloch, Marianne N.; Beoku-Betts, Josephine A.; Tabachnick, B. Robert (eds.). Women and Education in Sub-Saharan Africa: Power, Opportunities, and Constraints. L. Rienner Publishers. pp. 99–130. ISBN 978-1-55587-704-0.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor: 7.215

- 68. A Beoku-Betts, Josephine (1998). "Gender and Formal Education in Africa: An Exploration of the Opportunity Structure at the Secondary and Tertiary Levels".
- 69. ^ Leslie, Limage (1994). Women's literacy in worldwide perspective.
- 70. ^ Dunne, Máiréad; Sayed, Yusuf (2002). "Transformation and Equity: Women and Higher Education in Sub-Saharan Africa". International Studies in Educational Administration. 30 (1): 50.
- 71. ^ Leder, Gilah C. (2015). "Gender and Mathematics Education Revisited". The Proceedings of the 12th International Congress on Mathematical Education. pp. 145–170. doi:10.1007/978-3-319-12688-3_12. ISBN 978-3-319-10685-4.
- 72. ^ Nkoyiai, Anastasia (2011). Socio-Cultural and Economic Factors Affecting Primary Education of Maasai Girls in Loitokitok District, Kenya. Western Journal of Black Studies.
- 73. ^ Bisika, Thomas; Ntata, Pierson; Konyani, Sidon (1 September 2009). "Gender-violence and education in Malawi: a study of violence against girls as an obstruction to universal primary school education". Journal of Gender Studies. 18 (3): 287–294. doi:10.1080/09589230903057183. S2CID 72635362.
- 74. ^ Julie Billaud: Kabul Carnival: Gender Politics in Postwar Afghanistan
- 75. ^ Afghanistan Quarterly Journal. Establishment 1946. Academic Publication of the Academy of Sciences of Afghanistan. Serial No: 32 & 33
- 76. ^ Emadi, Hafizullah, Repression, resistance, and women in Afghanistan, Praeger, Westport, Conn., 2002
- 77. ^ "A History of Women in Afghanistan: Lessons Learnt for the Future" (PDF). Dr. Huma Ahmed-Ghosh. Aletta, Institute for Women's History. May 2003. Retrieved 2 December 2010.
- 78. ^ "History of education in Afghanistan Afghanistan".
- 79. ^ Children of Afghanistan: The Path to Peace by Jennifer Heath, Ashraf Zahedi
- 80. ^ Robin Morgan: Sisterhood is Global: The International Women's Movement Anthology
- 81. ^ With the Taliban's latest move, the highest level of education an Afghan girl can get is 6th grade
- [^] Blake, C. Fred (April 1994). "Foot-Binding in Neo-Confucian China and the Appropriation of Female Labor". Signs: Journal of Women in Culture and Society. 19 (3): 676– 712. doi:10.1086/494917. S2CID 40841025.
- 83. ^ Mary H. Fulton (2010). The United Study of Forring (ed.). Inasmuch. BiblioBazaar. ISBN 978-1140341796.
- 84. ^ PANG Suk Man (February 1998). "The Hackett Medical College for Women in China (1899-1936)" (PDF). Hong Kong Baptist University. Archived from the original (PDF) on 16 October 2015. Retrieved 10 October 2015.
- 85. ^ " -www.cqvip.com". Cqvip.com. Retrieved 2013-10-06.
- 86. ^ Belle Jane Allen (1919). Caroline Atwater Mason (ed.). A Crusade of Compassion for the Healing of the Nations: A Study of Medical Missions for Women and Children. Compiler: Belle Jane Allen. Central committee on the united study of foreign missions. p. 128.
- 87. ^ News.qq.com. 2012-01-17. Retrieved 2013-10-06.
- 88. ^ Rebecca Chan Chung, Deborah Chung and Cecilia Ng Wong, "Piloted to Serve", 2012
- 89. ^ "Piloted to Serve". Facebook. Retrieved 2013-10-06.
- 90. ^ Docin.com. 2011-10-04. Retrieved 2015-04-17.
- 91. ^. Gov.163.com. 2014-09-17. Archived from the original on 2014-11-11. Retrieved 2015-04-17.
- 92. ^. Moe.edu.cn. 2006-06-30. Archived from the original on 2016-03-03. Retrieved 2015-04-17.
- 93. ^ Hannum, Emily (May 1999). "Political Change and the Urban-Rural Gap in Basic Education in China, 1949-1990". Comparative Education Review. 43 (2): 193– 211. doi:10.1086/447554. JSTOR 1189018. S2CID 144407513.
- 94. ^ Lavely, William; Zhenyu, Xiao; Bohua, Li; Freedman, Ronald (March 1990). "The Rise in Female Education in China: National and Regional Patterns". The China Quarterly. 121: 61– 93. doi:10.1017/S0305741000013515. S2CID 154871316.
- 95. ^ "全国历年参加高考人数和录取人数统计-中国教育". Edu.cn. Archived from the original on 2013-06-11. Retrieved 2015-04-17.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor:7.215

- 96. ^ Tatlow, Didi Kirsten (7 October 2012). "Women in China Face Rising University Entry Barriers". The New York Times.
- 97. [^] London Missionary Society, ed. (1869). Fruits of Toil in the London Missionary Society. London: John Snow & Co. p. 12. Retrieved 12 September 2016.
- 98. ^ "Educational Development of Girls and Women". Archived from the original on 2011-10-22.
- 99. ^ Chandra, Shefali (2012). The sexual life of English : caste and desire in modern India. Durham: Duke Univ. Press. p. 22. ISBN 978-0822-352-273. Retrieved 28 January 2016.
- 100.^ "Bethune College, Kolkata : History".
- 101.[^] Acharya, Poromesh. "Education in Old Calcutta". In Chaudhuri, Sukanta. Calcutta, the Living City. 1. Oxford: Oxford University Press. pp. 86–7. ISBN 0-19-563696-1.
- 102.[^] Reina Lewis; Sara Mills (2003), Feminist Postcolonial Theory: A Reader, New York: Taylor & Francis, pp. 451–3, ISBN 978-0-415-94275-1
- 103.[^] S. P. Agrawal; J. C. Aggarwal (1992). Women's Education in India: 1986-1987. Concept Publishing Company. p. 31. ISBN 9788170223184.
- 104.^ "Achievement since Independence : girls Education". Archived from the original on 2011-10-15.
- 105.^ "Post- Independence Educational" (PDF). Archived from the original (PDF) on 2013-02-22.
- 106.[^] "Sarva Shiksha Abhiyan : Girls Education Schemes". Archived from the original on 2013-01-30.
- 107.^ "NPEGEL : Brief" (PDF). Archived from the original (PDF) on 2012-03-10. Retrieved 2019-08-18.
- 108.^ "In a first, girls among IIT entrance test toppers". The Times of India. 2013-06-22. Archived from the original on 2013-06-26. Retrieved 2013-10-06.
- 109.[^] Ghosh, Ratna (2015). "Women's Empowerment and Education: Panchayats and Women's Self-Help Groups in India". Policy Futures in Education. 13 (3): 294–314. doi:10.1177/1478210315571214. S2CID 146126795.
- 110.[^] Shapiro, Jordan (2013-03-22). A Touch-Screen Game That Wants to Save the World, Forbes. Retrieved 2014-03-31. Retrieved 2014-03-31.
- 111.^ Mehran, Golnar (November 2009). "'Doing and undoing gender': Female higher education in the Islamic
Republic of Iran". International Review of Education. 55 (5–6): 541–
559. Bibcode:2009IREdu..55..541M. doi:10.1007/s11159-009-9145-0. S2CID 144006744.
- 112.^ "Education Levels: Nine Predominantly Islamic Countries". Gallup.com. 21 May 2002. Retrieved 2015-04-17.
- 113.[^] Oldest University
- 114.^ "Medina of Fez". UNESCO World Heritage Centre. UNESCO. Retrieved 7 April 2016.
- 115.[^] Lindsay, James E. (2005), Daily Life in the Medieval Islamic World, Greenwood Publishing Group, p. 197, ISBN 978-0-313-32270-9
- 116.[^] Lindsay, James E. (2005), Daily Life in the Medieval Islamic World, Greenwood Publishing Group, pp. 196 & 198, ISBN 978-0-313-32270-9
- 117.[^] Berkey, Jonathan (1992). The Transmission of Knowledge in Medieval Cairo: A Social History of Islamic Education. Princeton, NJ: Princeton University Press. p. 162. ISBN 978-0-691-03191-0.
- 118.[^] Lindsay, James E. (2005), Daily Life in the Medieval Islamic World, Greenwood Publishing Group, p. 198, ISBN 978-0-313-32270-9
- 119.[^] Guity Nashat, Lois Beck (2003), Women in Iran from the Rise of Islam to 1800, University of Illinois Press, p. 69, ISBN 978-0-252-07121-8
- 120.^ Power, Carla (25 February 2007). "A Secret History". The New York Times.
- 121.[^] Beryl Rawson, "The Roman Family," in The Family in Ancient Rome: New Perspectives (Cornell University Press, 1986), pp. 30, 40–41.
- 122.[^] Plutarch, Life of Pompey 55 LacusCurtius edition.
- 123.[^] Paul Zanker, The Mask of Socrates: The Image of the Intellectual in Antiquity (University of California Press, 1995), p. 214.
- 124.^ Richard A. Bauman, Women and Politics in Ancient Rome (Routledge, 1992, 1994), p. 50 et passim, citing a section from the historian Valerius Maximus that deals with women's abilities in the courtroom.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor:7.215

- 125.[^] Beryl Rawson, Children and Childhood in Roman Italy (Oxford University Press, 2003), p. 80.
- 126.^ Pliny the Elder, Natural History, 35.147, gives a list of female artists and their painters.
- 127.^ Rawson, Children and Childhood in Roman Italy, pp. 197-198, citing also evidence from Ovid and Martial.
- 128.[^] Rawson, Children and Childhood in Roman Italy, p. 198.
- 129.[^] Schulenburg, Jane. Forgetful of their Sex: Female Sanctity and Society, ca. 500-1100. Chicago: University of Chicago Press, 1998. p. 96.
- 130.[^] Schulenburg (1998), p. 96
- 131.^ Bede. Ecclesiastical History of England. Book IV, Chapter XXIII. Gutenberg.org. 2011-12-17. Retrieved 2014-08-22.
- 132.[^] Schulenburg (1998), p. 97-98
- 133.^ Bede. Ecclesiastical History of England. Book III, Chapter VIII. Gutenberg.org. 2011-12-17. Retrieved 2014-08-22.
- 134.[^] Schulenburg, Jane. Forgetful of their Sex: Female Sanctity and Society, ca. 500-1100. Chicago: University of Chicago Press, 1998. p. 98-99.
- 135.[^] Schulenburg (1998), pp. 100-101.
- 136.^ "Einhard. Life of Charlemagne. Written before 840 AD. Chapter 19". Fordham.edu. Retrieved 2014-08-22.
- 137.^ Hall, Megan (May 2021). "Women's Education and Literacy in England, 1066-1540". History of Education Quarterly. 61 (2): 181–212. doi:10.1017/heq.2021.8.
- 138.^ "Online English text". History.hanover.edu. Retrieved 2014-08-22.
- 139.[^] Women Humanists: Education for What?, pp. 48-81 in Feminism and Renaissance Studies (1999), edited by Lorna Hudson.
- 140.[^] Eileen Power, The Position of Women, p. 418, in The Legacy of the Middle Ages (1926), edited by G. C. Crump and E. F. Jacob.
- 141.[^] Riane Eisler (2007). The Real Wealth of Nations: Creating a Caring Economics. p. 72.
- 142.^ Sowards, J. K. (1982). "Erasmus and the Education of Women". The Sixteenth Century Journal. 13 (4): 77–89. doi:10.2307/2540011. JSTOR 2540011.
- 143.[^] See The Erasmus Reader (1990), edited by Erika Rummel, p. 88.
- 144.[^] Morris Marples, Princes in the Making: A Study of Royal Education (1965), p. 42.
- 145.^ Kaufman, Gloria (July 1978). "Juan Luis Vives on the Education of Women". Signs: Journal of Women in Culture and Society. 3 (4): 891–
- 896. doi:10.1086/493546. JSTOR 3173122. S2CID 144998348. ProQuest 1300108426.
- 146.^ Translated in 1524, by Richard Hyrde; excerpt Archived 2007-06-25 at the Wayback Machine
- 147.[^] PDF, p. 9.
- 148.[^] Marples, p. 45.
- 149.[^] "About John Amos Comenius". Comenius Foundation. Comenius Foundation. Archived from the original on 15 October 2007. Retrieved 22 August 2014.
- 150.[^] Daniel Murphy, Comenius: A Critical Reassessment of his Life and Works (1995), Chapter IV, The Comenian Vision of Universal Education.
- 151.[^] Luther deutsch, p. 70, at Google Books
- 152.[^] Emil Sehling (ed.), Die evangelischen Kirchenordnungen des 16. Jahrhunderts. Vol 18: Rheinland-Pfalz I. Tübingen 2006, p. 406.
- 153.[^] Kenneth Charleton, Education in Renaissance England (1965), p. 209.
- 154.[^] Lawrence V. Ryan, Roger Ascham (1963) p. 144.
- 155.[^] Dabby, Benjamin (2010). "Hannah Lawrance and the claims of women's history in nineteenth-century England". The Historical Journal. 53 (3): 699–722. doi:10.1017/S0018246X10000257. S2CID 154800326.
- 156.^ "Laura Bassi (1711–78)". sciencemuseum.org.uk. Archived from the original on 3 January 2014. Retrieved 12 January 2014.



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor: 7.215

- 157.[^] Findlen, Paula (September 1993). "Science as a Career in Enlightenment Italy: The Strategies of Laura Bassi". Isis. 84 (3): 441–469. doi:10.1086/356547. S2CID 144024298.
- 158.^ "Laura Bassi". Encyclopedia of World Biography. Encyclopedia.com. Archived from the original on 27 September 2013. Retrieved 30 October 2012.
- 159.^ "Laura Maria Caterina Bassi | Women in science". Epigenesys.eu. 2011-06-14. Retrieved 2013-09-05.
- 160.^ Monique Frize, Laura Bassi and Science in 18th Century Europe: The Extraordinary Life and Role of Italy's Pioneering Female Professor, Springer, p. 174.
- 161.^ "Laura Bassi | Italian scientist". Encyclopedia Britannica. Retrieved 2020-08-30.
- 162.^ "Laura BASSI". scientificwomen.net. Retrieved 2020-08-30.
- 163.^ Inger Dübeck: Kvinders retlige stilling. I Den Store Danske. Hentet 7. october 2015
- 164.[^] Dansk Kvindebiografisk Leksikon
- 165.[^] Siegberg, Arthur: Den högre kvinnobildningen i Finland, dess utveckling och mål., W. C. Fabritius & Sonner, Kr.a.
- 166.[^] Tuomaala, Saara. "The path of Finnish women towards liberty and education". Centenary of Women's full political rights in Finland.
- 167.^ William Fortescue, The Third Republic in France 1870–1940: Conflicts and Continuities
- 168.^ James C. Albisetti: Schooling German Girls and Women
- 169.[^] Fuchs, Rachel G.; Thompson, Victoria E. (2005). women in nineteenth century Europe. New York: Palgrave MacMillan. p. 90.
- 170.[^] Hatfield, Mary and O'Neill, Ciaran. Education and Empowerment: Cosmopolitan Education and Irish Women in the Early nineteenth Century. Oxford. Vol.30 (1), p.93-109, (Wiley Subscription Services, Inc, 2018), 98.
- 171.[^] Clark, Linda L. Women and Achievement in Nineteenth-Century Europe. (Cambridge: Cambridge University Press, 2008), 160-161.
- 172.[^] Hill, Myrtle and Pollock, Vivienne. Women of Ireland, Image and experience c. 1880-1920 (Belfrast, Ireland: The Blackstaff Press Limited, 1999), 107.
- 173.[^] Hill, Myrtle and Pollock, Vivienne. Women of Ireland, Image and experience c. 1880-1920 (Belfrast, Ireland: The Blackstaff Press Limited, 1999), 108.
- 174.[^] Hill, Myrtle and Pollock, Vivienne. Women of Ireland, Image and experience c. 1880-1920 (Belfrast, Ireland: The Blackstaff Press Limited, 1999), 88.
- 175.[^] Clear, Caitriona. Social change and everyday life in Ireland, 1850-1922. (Manchester and New York: Manchester University Press, 2007), 43.
- 176.[^] Clear, Caitriona. Social change and everyday life in Ireland, 1850-1922. (Manchester and New York: Manchester University Press, 2007), 48.
- 177.[^] Clear, Caitriona. Social change and everyday life in Ireland, 1850-1922. (Manchester and New York: Manchester University Press, 2007), 49.
- 178.[^] Fuchs, G. Rachel and Thompson, E. Victoria. women in nineteenth century Europe (New York: Palgrave MacMillan, 2005), 88.
- 179.[^] Clark, Linda L. Women and Achievement in Nineteenth-Century Europe. (Cambridge: Cambridge University Press, 2008), 161.
- 180.[^] Bisha, Robin (2002). Russian Women, 1698-1917 Experience and Expression: An Anthology of Sources. Bloomington, IN: Indiana University Press.
- 181.^ A History of Women in Russia: From Earliest Times to the Present
- 182.^ Christine Johanson:[1]
- 183.^ Regulations on Women's Schools of the Ministry of National Education, 1860, May 10. In Memorial Book of the Ministry of National Education for 1865, Saint Petersburg: Rogalskiy & Co PrintingHouse, pp: 135-139
- 184.^ Regulations on Women's Gymnasiums and Progymnasiums of the Ministry of National Education, (1870). Date Views 22.04.2016 iknigi.net



A High Impact Factor, Monthly, Peer Reviewed Journal Impact Factor:7.215 Vol. 7, Issue 6, June 2018

- 185.[^] Norma Noonan Corigliano, Norma C. Noonan, Carol Nechemias: Encyclopedia of Russian Women's Movements
- 186.^ "Flickor och pojkar i skolan hur jämställt är det?" (PDF) (in Swedish). Government of Sweden. 2009. p. 140. Archived from the original (PDF) on 2011-09-15. Retrieved 29 January 2015.
- 187.^ Gunhild Kyle (1972). Svensk flickskola under 1800-talet. Göteborg: Kvinnohistoriskt arkiv. ISBN
- 188.^ Eusebius of Caesaria. Ecclesiastical History, Book VI, Chapter VIII, Paragraph I. Written before 340 AD
- 189.^ Others are Society of the Holy Child Jesus, the Sisters of St. Joseph, Sisters of the Holy of Jesus and Mary, School Sisters of Notre Dame, Sisters of Notre Dame de Namur, Salesian Sisters of Don Bosco.