Women's underrepresentation in higher education is a persistent issue of concern, particularly in sub-Saharan Africa, at a time when higher education plays a critical role in society's development and knowledge-based innovations are critical for development in a global economy. The gender gap in higher education is created by complex interconnected sets of deep-rooted factors. A clear understanding of the underlying causes of gender inequality in higher education is necessary to develop effective interventions to overcome this disparity. Feminist standpoint and feminist intersectionality epistemologies have been used to provide insights into gender disparities in higher education. Drawing on existing published literature, I will first discuss the conceptual and theoretical frameworks of these two feminist epistemologies and then explore the methodological implications of these epistemologies for critically examining gender disparities in higher education in the context of sub-Saharan Africa.

Keywords: epistemology, feminism, gender, higher education, intersectionality
La formation postsecondaire joue un rôle essentiel dans le développement des sociétés particulièrement dans le contexte actuel de la mondialisation, dans lequel les innovations fondées sur les connaissances sont essentielles pour assurer le développement des sociétés. Toutefois, en Afrique sub-saharienne, les femmes sont sous-représentées dans les formations postsecondaires, et cette réalité sociologique est préoccupante. L’écart entre le nombre d’hommes et de femmes en formation postsecondaire s’explique par un réseau complexe de facteurs représentationnels interreliés profondément ancré au sein de la société. Une bonne compréhension des causes expliquant la différence entre le nombre d’hommes et de femmes fréquentant une institution postsecondaire est nécessaire pour élaborer des mesures d’intervention efficaces et, ainsi, parvenir à dissiper cet écart entre le nombre d’hommes et de femmes qui s’inscrivent dans des programmes d’études postsecondaires en Afrique sub-saharienne.

Dans le cadre des recherches menées jusqu’à présent à ce sujet, les concepts de féminisme et d’intersectionalité ont été employés pour tenter de proposer des pistes d’explication à cette situation contemporaine. Dans le cadre de cet article, nous nous appuyons sur les recherches publiées pour présenter les cadres théoriques et conceptuels de deux approches épistémologiques féministes et, par la suite, explorer les implications méthodologiques de ces deux approches épistémologiques dans le but d’analyser l’écart existant actuellement entre le nombre d’hommes et de femmes qui étudient au postsecondaire en Afrique sub-saharienne.

Mots-clés : épistémologie, féminisme, formation postsecondaire, genre, intersectionalité
Higher education plays a critical role in society’s development, particularly in the current era of globalization in which knowledge-based innovations are critical for development (UNESCO, 2015; World Bank, 2014). However, there is a considerable gender gap in higher education particularly in sub-Saharan Africa with female enrollments often far below male enrollments (Morley, 2010). This is especially true in applied sciences, in contrast to higher female enrollment in university-level social science and humanities programs (Morley, Leach & Lugg, 2009; Schulze & van Heerden, 2015). For example, in Ghana, women’s enrollment ratio in science and technology in 2010 was 28% as opposed to 72% for men (Atuahene & Owusu-Ansah, 2013). While there is ample evidence that higher education is inequitably distributed in favor of males (Atuahene & Owusu-Ansah, 2013), very little is understood about the impediments to women’s enrollment in higher education.

There is a strong likelihood that gendered differences in enrollment rates reflect broader social inequities and gender-differentiated opportunity structures (Morley et al., 2009). This problem has worsened in sub-Saharan Africa by the scant research output on women in higher education and the limited access to information necessary to sensitize society to the challenges faced by women in accessing higher education opportunities. This, in turn, limits the efficacy of policies that purport to support female student enrollment in higher education (Effah, 2011; UNESCO, 2015).

Proponents of gender equality in higher education argue that addressing structural inequalities in universities requires a closer look at the gendered experiences and power relations within the institutions (Beddoes, 2012; Chikunda 2014; Molla & Cuthbert, 2014; Morley et al., 2009). Research needs to investigate the real multifaceted issues related to gender disparity, such as
patriarchy,¹ and the concealed social, political, and economic complexities that affect the lives of women. Such research is not only necessary to develop an understanding of the underlying factors of gender disparity in higher education, but to develop effective interventions to overcome this disparity.

Further, traditional research methods tend to “treat gender as a variable rather than a foundational hierarchy of society” (Beddoes, 2012, p. 208). Although many research methods’ textbooks advocate that the research question guides the method(s) used in a study, Krane, Ross, Barak, Rowse, and Lucas-Carr (2012) find the issue a lot more complex. They argue that epistemology guides the types of questions researchers ask, which then provides a basis for the methodological stance and essentially ends with the selection of the study method(s) used (Krane et al., 2012). Epistemology guides methodological choices while justifying and evaluating knowledge (Carter & Little, 2007).

Many researchers have used feminist epistemologies and methodologies to gain a better understanding of the underlying causes of women’s underrepresentation in higher education, and the suppression of women’s voices in academia (Mama, 2011; Nadar 2014; Stone, 2007). Consistent across feminist perspectives, the literature describes feminist approaches as collaborative, reflexive, and non-hierarchical (Fonow & Cook, 1991). They emphasize the legitimacy of personal experience (Ferree & Hess, 1994) and recognize the multiplicity of women’s experiences (Reinharz, 1992) while

¹Patriarchy is an institutionalized societal structure that encourages males’ domination over females. It puts the interest of men before those of women and uses culture, religion etc. to justify women’s subordination (Dlamini & Adams, 2014).
encouraging collaboration between the researcher and the subjects under study (Collins, 1991).

Drawing on the literature, I will first discuss conceptual and theoretical frameworks of feminist standpoint and intersectionality epistemologies that are being used to gain better insights into the underlying causes of the underrepresentation of women in higher education. Then I will explore the methodological implications of these epistemologies for critically examining gender disparities in higher education in the context of sub-Saharan Africa.

**Feminist standpoint epistemology**

Feminist standpoint epistemology emerged four decades ago and was developed in Western Europe, North America, and Australia (Stone, 2007) before reaching the developing nations shortly after (Okeke-Ihejirika, 2009). Feminist standpoint epistemology assumes that marginalized and oppressed people are in privileged positions to gain knowledge of the social realities related to their social positions (Anderson, 2015; Harding, 1986; Hartsock, 1983; Hesse-Biber, 2012). Further, feminist scholarship focuses on the ways gender affects the knower and the conception of knowledge while scrutinizing the way research is conducted and justified (Anderson, 2004; Collins, 1991; Crasnow, 2013).

The main argument supported by feminist epistemologists is that men’s perceptions and practices of knowledge creation and justification consistently discriminate against women while women’s perspectives are repeatedly stifled and subdued (Haraway, 1997; Harding, 1986; Hartstock, 1983). Feminist research primarily examines the life experiences of women while focusing on epistemologies that help bring women’s voices into the gender debate. It strives

Informed by Marxism\(^2\), standpoint theory is based on historical materialism\(^3\) that generates a collective consciousness of one’s subjugated position in a capitalist\(^4\) system. In the same way that workers under capitalism held “an epistemologically privileged position” (Neitz, 2014, p. 261) for understanding class domination, so too is women’s collective consciousness and position privileged for understanding the root causes and consequences of the gender inequality (Hesse-Biber, 2012).

Feminist standpoint epistemology is a critical theory that seeks to empower oppressed women and bring about change. Consequently, researchers adopting a standpoint epistemology: (a) support the interests of the oppressed; (b) enable the oppressed to comprehend their issues; and (c) empower the oppressed to improve their conditions. These researchers apply feminist standpoint epistemology through three main tenets: situated knowledge, epistemic advantage, and achievement (Crasnow, 2013; Intemann, 2010; Rolin, 2009).

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\(^2\)Marxism claims an epistemic privilege over fundamental questions of economics, sociology, and history on behalf of the standpoint of the proletariat (Neitz, 2014).

\(^3\)Historical materialism is the Marxist theory (adopted as the official philosophy of the Soviet communists) that political and historical events result from the conflict of social forces and are interpretable as a series of contradictions and their solutions. The conflict is believed to be caused by material needs. This was first articulated by Karl Marx (1818–1883). https://en.wikipedia.org/wiki/Historical_materialism. Retrieved on October 31, 2017.

\(^4\)“Capitalism is often thought of as an economic system in which private actors own and control property in accord with their interests” (Jahan & Mahmud, 2015, p. 45).
The situated-knowledge tenet implies that the social position of the researcher impacts his or her experiences and determines the nature and the boundaries of knowledge constructed. This tenet emulates the position of the knowledge producer at a historical moment, within a culture, and in a specific location (Haraway, 1988; Harding, 1986). Situated-knowledge also means that “knowledge is achieved from a particular standpoint” (Intemann, 2010, p. 785). Standpoint is based on a critical collective consciousness developed through a critical evaluation of how power structures such as racism, patriarchy, and hegemony\(^5\) affect or restrict research questions, methodological decisions, background assumptions, or data interpretation (Intemann, 2010).

The epistemic advantage tenet suggests that the inclusion of members of marginalized groups in research is likely to culminate in more rigorous and critical reflections given their contextual knowledge and experience (Rolin, 2009). This concept may be relevant if the knowledge claim is related to oppression or marginalization. Even then, all women who have been oppressed or marginalized would not necessarily have experienced the same type of oppression because location, context, and history also impact experience and, in turn, affect knowledge creation (Intemann, 2010; Naidu, 2010; Rolin, 2006).

The achievement tenet means that reaching the standpoint leads to potential emancipation and empowerment and prospective liberation from oppression (Intemann, 2010). The terms *emancipation* and *empowerment* relate to capacity development allowing women to become effective agents of their own transformation. They involve skills and knowledge that ordinarily focus on

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\(^5\)Hegemony is a rule of one set of views and traditions over others. Hegemony is brought about by political, ideological, discursive, and representational measures (Akita, 2010).
economic, psychological, cognitive, and political dimensions (DeJaeghere & Wiger, 2013; Ross, Shah, & Wang, 2011; Stromquist, 2006).

Further, feminist standpoint epistemology advocates for women’s emancipation with a more radical notion of liberation from patriarchy (Evans & Chamberlain, 2015). Beddoes and Borrego (2011) posit that patriarchal relations do exist in higher education institutions, especially in applied science programs. However, Collins (1991), and Evans and Chamberlain argue that feminist activism for women’s liberation from oppressive gendered double standards is more exclusive because the perspectives of Black feminists are ignored and excluded from mainstream academic debates while some other feminists’ perspectives are universalized.

Collins (1991) has been very instrumental in shaping the worldview of Black feminists, especially the view of African-American and developing nations’ women (Chilisa & Ntseane, 2010; Machira, 2013; Nadar, 2014; Naidu, 2010). Black feminists’ standpoint epistemology thus provides a practical lens to help recognize degrading, disheartening, and restraining lived-experiences that become sources of inspiration and empowerment (Bailey, 2014; Collins, 2000; Dotson, 2015; Gines, 2015; Mama, 2011). Even though feminist standpoint epistemology provides a relevant tool for examining oppressed and marginalized groups in higher education, it is limited to gender issues alone. A robust feminist epistemology such as intersectionality is useful for examining other sources of discrimination that do not promote equal opportunities in educational settings.
Feminist intersectionality epistemology

As Black feminist scholars start writing about women’s issues, they quickly realize that the Black feminist standpoint epistemology, which mostly focused on gender issues, did not address race, ethnicity, social status, nationality, etc., as oppressive forces (Hesse-Biber, 2012). In the 1990s, young feminists became vocal through publications of articles, books, and debates supported by global movements demanded the inclusion of other issues like race, ethnicity, class, etc. that intersect with gender and contribute to women’s oppression (Dean & Aune, 2015). To understand how multiple social identities such as gender, ethnicity, social class, nationality, etc. interact and intersect, the concept of intersectionality becomes imperative (Dill & Kohlman, 2012).

Black feminist scholars describe intersectionality as a compound system by which people’s race, class, gender, etc. oftentimes place them in a lower social status (Crenshaw, 1989). ‘Intersectionality’ denotes the interaction between gender, social status, and other types of differences in individual lives, social practices, institutional arrangements, and cultural ideologies, and the results of these interactions in terms of power relations (Berger & Guidroz, 2009; Davis, 2008; Dill & Kohlman, 2012; Sang, 2016). Davis (2008) argues that “intersectionality promises an almost universal applicability, useful for understanding and analyzing any social practice, and any cultural configuration” (p. 72). Sang (2016) corroborates that the experience of women in a learning environment is “bound by cultural and temporal contexts” (p. 2). The strength of the feminist intersectional approach to understanding and developing effective policies to challenge disparities in higher education depends on the ways this epistemological approach contrasts with dominant educational paradigms (Sang, 2016; Walby, Armstrong, & Strid, 2012). While
feminist epistemology provides an appropriate lens for studying gender issues, there is a need to select appropriate methodologies to create knowledge. Epistemology influences methodological choice, while methodology affects and is defined by research objectives, questions, and study design (Carter & Little, 2007).

Methodological implications for sub-Saharan Africa

In sub-Saharan Africa, higher education is regarded as a mechanism that has the potential to bring about social transformation, development, and progress while reducing poverty (Mkude, 2011). However, women and girls have been marginalized due to unequal educational opportunities (Chauraya, 2014). Generally, the female child's educational opportunities tend to be regulated by patriarchal perspectives of gender roles resulting in some parents attaching more importance to the education of boys than girls (Machira, 2013). Gender roles provide unique perspectives of social interpretations of girls’ and boys’ education as well as adolescents’ personal aspirations (Morley, 2010). These norms and values deeply implanted in the fabric of the African society generally guide higher education practices (Okeke-Ihejirika, 2009). Research is thus necessary to unveil these factors that are root causes of gender disparity in higher education. If patriarchy contributes to gender disparity in higher education then the fact that sub-Saharan Africa includes many countries with various cultural, tribal, and political practices, the feminist standpoint epistemology alone cannot provide an adequate lens to examine patriarchal underpinning or to advocate for change.

The goal of the feminist research is traditionally to address gender inequality while emphasizing the problems of power and authority. However, a closer look at how power and prejudice are revealed through research
epistemologies and methodologies is important (Beddoes, 2013). Feminist research methodologies offer a unique set of concepts to negotiate the weaknesses and prejudices of classic positivist research while focusing on inclusiveness and diversity; social context and historical context and addressing issues of power imbalances (Beckman, 2014). For example, Sang (2016) demonstrates how the lens of intersectionality helped illuminate the heterogeneity of women’s experiences in academia. The feminist methodology highlights personal experiences and accepts the variety of women’s experiences while encouraging the collaboration between the researcher and the subjects under study (Krane et al., 2012). Feminist methodology guided by intersectionality holds the possibility of challenging deeply held cultural, economic, historical and social assumptions, and layers of power rooted in gendered relations (Haynes, 2016).

**Conclusion**

Gender inequality in higher education is created by complex interconnected sets of ingrained factors. Feminist epistemologies have been very instrumental in the debates aiming to get to the root causes of gender disparity in higher education and advocating for change. I presented a brief overview of feminist standpoint and feminist intersectionality’s perspectives. While feminist standpoint is effective in tackling gender issues, feminist intersectionality’s lens provides a robust theoretical framework to investigate other social practices that intersect and interact with gender, particularly, in the higher educational sector in the sub-Saharan African context.
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