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MENTORING FEMALE FACULTY TOWARD LEADERSHIP POSITIONS IN HIGHER EDUCATION: CROSS-CULTURAL APPROACHES AND IMPEDIMENTS

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ABSTRACT
Mentoring is an important mode of professional development of faculty in higher education. It involves an experienced faculty, a mentor, supporting a less experienced person referred to as a mentee. Understanding and identifying mentoring approaches and impediments of African mentors of female faculty in higher education may shed light on practices that can be implemented in higher education to help increase the number of underrepresented female faculty in leadership positions in higher education. This survey research identified the mentoring approaches that female mentors in Nigeria use in helping their faculty protégées get and succeed in leadership positions and the barriers to effective mentoring of the approaches and impediments. Survey data were collected from a purposively selected sample of 117 female Faculty from eight federal universities in Nigeria. Mentoring Approaches and Impediments Checklist (MAI_C) was utilized for collection of quantitative data; while qualitative data was collected using semi-structured interviews of 20 female mentors to corroborate the quantitative data. The quantitative data was analyzed using descriptive statistics; while the qualitative data was analyzed by thematically coding and analyzing the interview transcripts to produce emerging themes about mentoring approaches and the barriers to effectiveness of mentoring. Results reveal that informal, formal, and peer mentoring are identified approaches, while the impediments include lack of mentoring program in higher education institutions, male-oriented institutional structure, balancing family and work life, and pull her down syndrome among women. It was concluded that mentoring programs should institutionalized to help bridge the existing gender gap in top-level leadership positions. Mentoring awareness can also reduce barriers to female career advancement, tenure and financial position.

Keywords: mentoring, female faculty, leadership, approaches, impediments, cross-cultural

Introduction

Mentoring has been accepted globally as a new mechanism that guides relationships in the educational processes of universities (Johnson, 2016, Lunsford, Erin and Wuetherich, 2017). The interest attached to it as critical tool for retention and success of organizational development across the career

spectrum is wildly witness in all sectors of human endeavors, such as business (Healy, 1997 and Kram, 1988; Levinson, Darrow, Klein, Levinson and McKee 1978), health (Cross, Lee, Bridgman, Thaper, Cleary and Kornhaber, 2019) and education (Pfund, 2017; Sambunjak, Straus, and Marusic 2010, Zellers, Howard and Barcic, 2008), management, (Mertz, 2004) and psychology (Lee, 1999).

The concept of mentoring is traced from Greek mythology that sees a mentor as a sage and trusted councilor (Allen, Eby, Poteet, Lima, 2004; Berk, Mortimer, Walton-Moss and Yeo, 2005). Mentoring has been accorded synonymously with different labels as its definitions vary considerably but all place value on a relational structure that provides specific knowledge and skills required to develop a successful individual for the benefit of the organization. Mentoring is a function of career planning (Booker, Brevard, 2017; Philip and Hending, 2000). Social orientation to the university (Aston, 2014; Cox, Orehovec, 2007). Academic support and guidance (Johnson, 2013; Kim, Sax, 2009).

Irrespective of the nomenclatures, mentoring is based on relationships between a more experienced individual (mentor) and a less experienced person (mentee) to further mystify the understandings of mentoring McGee (2016) describes it as dynamic relation between two individuals, one more knowledgeable than the other while Johnson (2016) view it as mutualistic relation that befits both the mentor and mentee. Dyadic relation (Zellers, Howard and Bbarcic (2008). Berk, Berg, Mortimer, Walton-Moss and Yeo (2005) see it as a construct that vary along a continuum from formal and informal in which functional faculty with useful experience, skills, knowledge and wisdom offer advice, information, guidance, support and opportunities to members or students for professional development. Suffice it to state that it is a relationship between a more skillful individual with a less skillful individual with the aim to achieve career progression. Mentoring, in academics, serves as useful route for transmitting values, ethical principles and cultural norms of various disciplines.

Our precursory review of the literature revealed that mentoring has a positive impact on the mentor, mentee and the organization. The mentor benefits is on career development (Steele, Fishman and Davidson, 2013), job satisfaction (Pfund, 2017, & Fleming et al., 2010), academic craftmanship (Fleming, Burnham, & Huskins, 2012), psychological support (Feldman, Arean, Marshall, Lovett, & O'Sullivan, 2010; Fleming, GM., Simmons, Xu, Gesell, Brown, Cutrer, et al., 2015). The mentor's benefit is on rejuvenating of the mentor's career, increase confidence, personal fulfillment and professional development (Hansford & Ehrich, 2004; Johnson, 2016; Levinson, Darrow, Klein, Levinson & McKee, 1978). The organizational benefits lie on increase productivity, improved recruitment efforts and enhancement of service (Hill & Wheat, 2017; Murray, Owen, 1991; Thompson, 2017). Summarily, mentoring in universities is prominently featuring in orientation, support of new faculty, collaboration,

networking, career advancement, job satisfaction, retention, faculty development and transition to academic roles (Gardiner, Tiggemann, Kearns, & Marshall, 2007).

There have been consistent testimonies by scholars on the crucial role mentoring play on women's career advancement (Durnbar & Kinnersley, 2011; Ely, Ibarra, & Kolb, 2011; Enke, 2014; Madsen, 2012; Schipani, Sworkin, Kwolek-Folland, and Maurer, 2009)). The worry of the researchers stems from the fact that there is a gap in female attainment in the leadership of universities regardless of the huge benefits mentoring plays in female career paths. Although Madsen (2008) had reported dearth of research concerning women's pathways as result of small percentage of women serving as president. Consistent with this idea, Morley (2013) lamented the loss of talent due to lack of mentoring, sponsorship, guidance and support at critical moments in women's career pathways. Hill and Wheat, (2017) assert that women who possess attribute such as intelligence, strong work ethic and ability and ambition, mentoring such woman will make a critical difference in advancement to the highest level within the organization. They also report that lack of primary career mentoring among women and paucity of women in university administration to serve as mentors and gender dynamics are barriers to their ascending leadership positions. Grove (2018) posits that women are noted to pulldown fellow women from ascending higher positions due to jealousy, envy and hatred.

The underrepresentation of women in senior position in all sector is highly reported as a global issue. For instance, in America, Blake-Bear (2005) records that women are yet to reach the highest echelon in organizational positions as expected. In United Kingdom women who attain high position in managerial work are less than 26%. Cole (2004). Middle East and North Africa3.2% of women are in senior leadership position (Pande and Ford, 2011). In Gulf Corporation Council less than 1% of leaders in institutions are women (Sperling, et-al, 2014). Nigeria 14% of women are in senior positions as leaders (Okeke, Fagbemi and Hassan, 2011; Olojede, 2004).

The insufficient representation of women in leadership positions in higher education continuous to be a major challenge among academia as women are disproportionately hold lesser positions than their male counterparts. Blackmore, (2014); European commission, (2012) attest that the underrepresentation of women in higher education is a systematic world phenomenon. In 2014, statisticians at the bureau of labor found that women constitute 45% of the work force (Owusu, 2018). Literature is replete on the career trajectory of female in Nigeria and Ghana they stall at a lower level than that of their male counterparts in higher education (Abiola, 2013; Oforiwaa and Affui-Broni, 2014). Osibanjo, Iyiola and Adenji (2013) supportively maintain that despite the remarkable increase of women in the higher education work force in Nigeria, their entry into higher managerial positions remains low. According to 2013-2014 enrollment by gender statistic of professors in both private and public universities males are 5,173 while

the females were 1, 185 (Ghana Ministry of Education, 2015).

Despite the significant attention to advancing women's career only minute progress has been achieved (Carr, Gunn, Kaplan, Raj & Freund, 2015). The problem might be that women's progression career is stifled by patriarchy, stereotype, sexism, gender discrimination, work and family responsibilities, organizational barriers, double standard, inadequate female mentors (Alajmi, Ahmad, Al-Anis & Goromdutse 2017; Okeke, Fagbemi & Hassan, 2011; Lipton 2017; O'Neil, et al., 2008; Parker, Hewitt, Witheriff & cooper, 2018; Reitman & Schneer, 2008, Van den & Benschop, 2012). Some mentors are constraint by time, mentees behavior and attributes and consider mentoring as extra workload that is not compensated (Hansford & Ehrich, 2004). Culture and power dynamics have also been noted as fanning the embers of gender inequalities in higher education (Burkinshaw & Whit, 2017; Keohands, 2014; Lipton, 2017; Morley, 2014).

Leadership in Africa is socially constructed, articulated and reinforced by a social and policy agenda that primarily shaped by men. Consequently, these qualities and expectations keep on pressing women down even in higher education where leadership are intently male (Morely, 2014). Women attaining high positions in higher education is benched due to culture that rewards male's practices and patterns of interaction which do not reorganize women different styles and pathways hence decreasing the number of women at every stage of appointment on the academic scale (Van den Brink and Benchoop, 2012). Nigeria is typical African country where patriarchal ideology has done immeasurable harm to women. Men dominate all aspect of leadership even in higher education (Abiola, 2013; Anker, 1997; Goldstar, 2007; NGP, 2007). Notwithstanding the clog, women kept increasing in higher educational institutions both as students and staff. Another top factor that forms attitude towards women leadership which has bar their career advancement is gender stereotype (Alajmi, Ahmad, Al-Anis and Goromdutse 2017; Keohands, 2014). The issue of gender discrimination plays a significant position in hindering women from attaining high leadership positions in higher education. Women might give up their quest for leadership positions when the get fostered due to the patriarchy syndrome when they feel unsupported and overwhelmed while navigating through obvious and turbulent part. Another hinderance to mentorship is ethnicity. In Nigeria, there are three major ethnic groups (Igbo, Yoruba and Hausa) that play serious constraint in the mentoring as each consider that they are being forced outside their culture and religion.

The approaches to mentoring in Nigeria higher education is categorized into three different ways: formal, informal and peer mentoring. The formal mentoring is typically part of a formal program where a faculty identifies teams of professional who are very experienced and organize training for the less experienced faculty members. The training will last for a couple of periods between one day to one week as determined by the faculty. According to Coatsworth

(2017), Lunsford, Erin and Wuetherich, (2017), formal mentoring is structure with clear goals duration and target outcomes. In a meta-analysis of career benefits on mentoring by Allen, Eby, Poteet, and Lima, (2004) report showed better objective (compensations and promotions) and subjective (job satisfaction, career commitment and career satisfaction) outcomes. The relationship that exist in this type of mentoring was adjudged better sustained, less dependent on personal ground but more potential on specific task and research productivity (Thomson, 2017). However, there may be lack of regularity of communication and comprehensiveness in approaches which may led to multiple dimension development consequences.

In the case of informal mentoring the protégé (mentee) seeks for a career advice and ask a more experienced person in the faculty who is willing to offer support and help. In some cases, the mentor might see the need to mentor a less experienced individual and will volunteer to give individual mentoring. This relationship is formed arbitrarily or grows natural over a long period of time and it is very effective and rewarding (Palsa and Rosser 2006; Zeller et-al, 2008). The obstacle to this type of mentoring lies greatly on gender as any relationship with opposite sex is viewed negatively. Such negativity is based on set of variables sexual perception, gender roles (Hunt and Michael, 1983; Ragins and Cotton, 199). Kram (1985) supportively state that variety of problems arise in cross-gender mentoring which can disrupt marital relationships, led to sexual attraction and raise gossips that may damage the expected gain of mentoring.

Peer mentoring has been a popular approach to mentoring. According to Ensher, Thomas and Murphy (2001) peer mentoring is beneficial for the development of psychosocial skills and also complement in career development skills. Connolly (2017) corroborates that peer mentoring increases leadership skills, personal confidence, time management and problem solving. In Nigerian institutions peers most times are pair to mentor to those who are newly employed for them to be able to develop the needed skills.

Several studies have been done on the mentoring but cross-cultural mentoring that seems to be evident in providing psychological support has not received the much-needed attention and that is the reason behind this study. The research questions from which the data were derived were:

1. What personal and professional mentoring experiences influenced the female Faculty mentors who occupy different leadership positions in higher education institutions in Nigeria?
2. What are the impediments to female mentoring in higher education institutions in Nigeria?

Research Method

The researchers obtained informed consent from the participants. The study was conducted following the ethical standards for conducting research with human participants as stipulated by the American Psychological Association (APA, 2010). In Nigeria, where this study is centered, mentoring of faculty is

increasingly expected by the management of the universities. For instance, senior academics (i.e., Faculty from Senior lecturer to Professorial cadre) are expected to provide academic, research and administrative leadership to junior academics. Furthermore, interaction between senior and junior academics is viewed as an important lever that enables personal and professional growth, as well as advancement of junior academics (i.e., Faculty below Senior lecturers' cadre). There are few female faculties occupying leadership positions (Cullen & Luna, 2006) in the universities, although gender issues are being addressed in admissions and employment of staff by the management of higher education institutions in Nigeria. Leadership positions that exist at different levels in federal universities in Nigeria include the following: membership of Governing Council, University management, Dean of faculties, Heads of Departments, Program coordinators, Examination officers, Course coordinators, and Level coordinators. Only negligible female academics are in Governing Council, Vice-chancellors, Deputy Vice-chancellors, Deans of Faculties, and Heads of Departments. This may be attributed to the fact that mentoring has not been accorded the expected place by institutionalizing it in higher education institutions in Nigeria. There is therefore the need for mentoring awareness to reduce barriers to female's career advancement, tenure and pay, as observed by Cullen and Luna (2006) as well as to reduce gender gap in higher education.

The personal and professional experiences of female academics in leadership positions will go a long way in helping to identify approaches that can be effective in mentoring female academics in higher education to motivate them to aspire and occupy leadership positions in higher education. The sample comprised 117 female academics who occupied leadership positions at different times in eight federal universities in Nigeria. Multistage sampling technique was adopted in sample selection. At the first stage of sampling, four geo-political zones were drawn from the six geo-political zones in Nigeria, using simple random sampling technique. Thereafter, two Federal universities were also randomly selected from each of the four selected zones; North-East, North-Central, South-East, and South-South of Nigeria. The sample of 117 female Faculty was drawn using purposive sampling technique. The distributions of the female academics according to the universities in the zone are as follow; North-East (20), North-Central (40), South-East (24), and South-South (33). Twenty-eight of them are in junior academic cadre while 89 are in senior academic cadre. Majority of the female academics held the position of Head of Department and had both male and female mentors as shown in Figures 1 and 2.

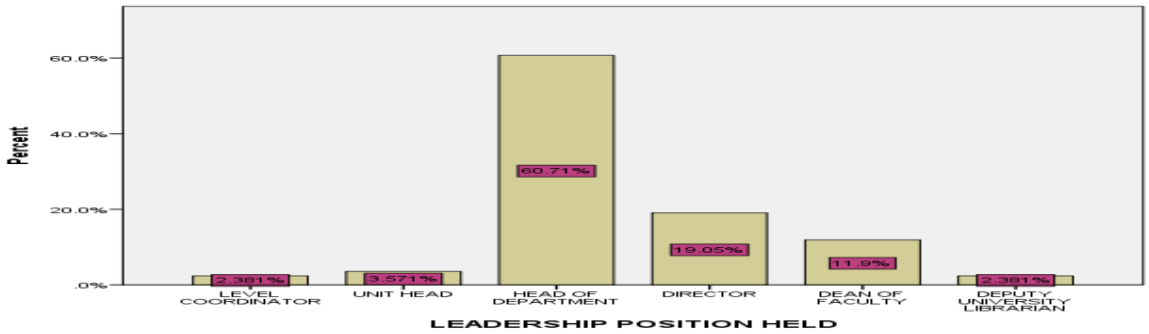


Figure1. Distribution of female academics in leadership positions by positions held

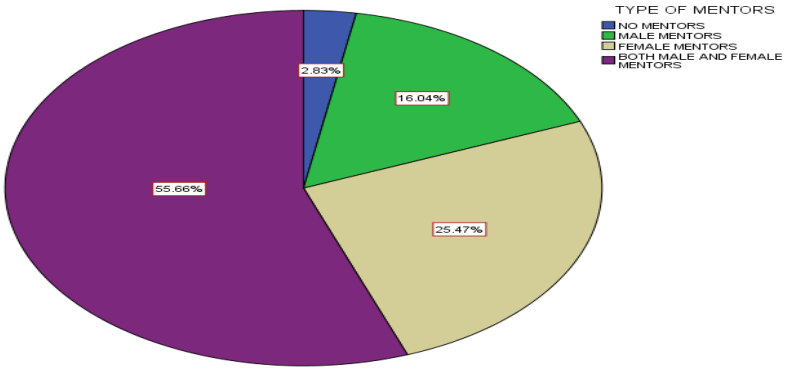


Figure 2. Distribution of female academics in leadership positions by types of mentors. To measure mentoring approaches and impediments experienced by the female faculty in leadership positions, four sets of items were generated by the researchers after thorough literature review on mentorship experiences of women leaders in Higher education (e.g., Joseph-Collins, 2017) and mentoring of women in academe to address gender gap in higher education (e.g., Cullen & Luna, 2006). The instrument which was tagged Mentoring Approaches and Impediments Checklist (MAI_C) consists of three sections. Section one consists of six items that sought background information such as institution, rank, position held and type of mentors experienced. Section two consists of 22 items that focused on informal, formal and peer mentoring approaches; while section three consists of nine items which sought information on impediments to female mentoring. The respondents were required to tick (Yes or No) against mentoring experiences they had as junior academics that helped them to occupy leadership positions in their institutions, as well as barriers to female mentoring, they observe. The KR_{20} coefficient of .79 obtained for the 31 items shows that they are internally consistent and that the instrument is reliable and adequate for data collection. A semi-structured

interview schedule was also designed and used for collecting data from 20 of the respondents to corroborate the quantitative data. The focus was on type of mentors they experienced, reasons for gender gaps in leadership position, their mentoring experiences and suggestions on mentoring approaches for higher education in Nigeria. The instruments were administered by the researchers and two research assistants who are M. Phil/Ph.D students.

Presentation of Results

The quantitative data collected was analyzed using percentages and graphs. The qualitative data was analyzed by thematically coding and analyzing the interview transcripts to produce emerging themes about mentoring approaches and the barriers to effectiveness of mentoring. The results of data analysis are in tables and graphs.

Table 1: Mentoring Experiences of Female Academics to Leadership Positions

S/n	Item	n	Yes		No	
			n	%	n	%
Informal Approach						
1.	Informal relationships with mentors	116	93	80.2	23	19.8
2.	No signed agreement with my mentors	116	89	76.7	27	23.3
3.	Conversations/discussions with my mentors	115	96	83.5	19	16.5
4.	Being sent to conferences/workshops by mentors	114	77	67.5	37	32.5
5.	Provision of conference information/ flyers by mentors	114	81	71.1	33	28.9
6.	Working at different projects/research with mentors	115	78	67.8	37	32.2
7.	Observing models who are women leaders	114	83	72.8	31	27.2
8.	Observing models who are male leaders	114	84	73.7	30	26.3
9.	Selecting mentors of my choice	114	85	74.6	29	25.4
Formal Approach						
10.	Working with assigned mentors	114	85	74.6	29	25.4
11.	Receiving mentoring at designated Venues	114	73	64.0	41	36.0
12.	Availability of schedule/timetable for meeting with my mentors	113	74	65.5	39	34.5
13.	Having specified frequency of meeting with my mentors	114	67	58.8	47	41.2
Both Formal and Informal Approaches						
14.	Mentoring on Career-related (academic and administrative) skills	115	89	77.4	26	22.6
15.	Mentoring was on psychosocial skills (self-confidence, self-efficacy)	115	83	72.2	32	27.8

16. Exposure to work opportunities by my mentors	114		85	74.6		29	25.4	
17. Exposure to influential individuals by my mentors	113		67	59.3		46	40.7	
18. Provision of psychosocial support	113		84	74.3		29	25.7	
Peer Mentoring Approach								
19. Informal career-related support by Peers	114		83	73.5		30	26.5	
20. Information sharing through peer monitoring		114	93		81.6	21		18.4
21. Collaboration was established through peer monitoring I enjoyed	113		91	80.5		22	19.5	
22. Enjoyed emotional support through peer monitoring	111		91	82.0		20	18.0	

Table 1 reveals that the percentage distribution of female mentoring experiences of female in leadership positions in higher education institutions in Nigeria ranged from 59.3% (Exposure to influential individuals by mentors) to 83.5% (Having conversations and discussions with their mentors). This suggests that majority of female faculty in leadership positions had informal, formal and peer mentoring experiences that enabled them occupy leadership positions in their various institutions in Nigeria. This finding is corroborated by themes that emerged from analysis of interview transcripts. Some female faculty leaders reported mentoring approaches that exists in their institutions as show in the following extracts:

"Young and newly employed academics are attached to senior colleagues, irrespective of gender for deliberate mentoring. Formal mentoring by matching graduate assistants with Professors to direct them was practiced. Informal sharing of experience with other females on issues such as attendance of conferences, information on websites, post-doctoral information and the like. Peer reviewing of publications, co-publication, monthly seminar, among others were also encouraged (Female leader1)".

Another female faculty leader also shared her personal experience with her mentor.
"The former male dean of the faculty, who was one of my mentors, late Prof XYZ, encouraged me to run for the leadership position of deanship. Although he did not campaign for me, I was re-assured by the confidence that he placed on me and my ability to run for the post (Female leader2)".

Another female leader extolled her mentors in the following extract.
"I enjoyed direct mentoring from senior (Professor) colleagues in my Faculty who incidentally are females. I must also commend the mentoring I enjoyed from my Ph. D supervisor (male). He exposed me to wider areas of research in my area of specialization. He also introduced me to

different methods of teaching in the area (Female leader 3)".

The data in Table 1 are pictorially presented in Figures 3 to 6.

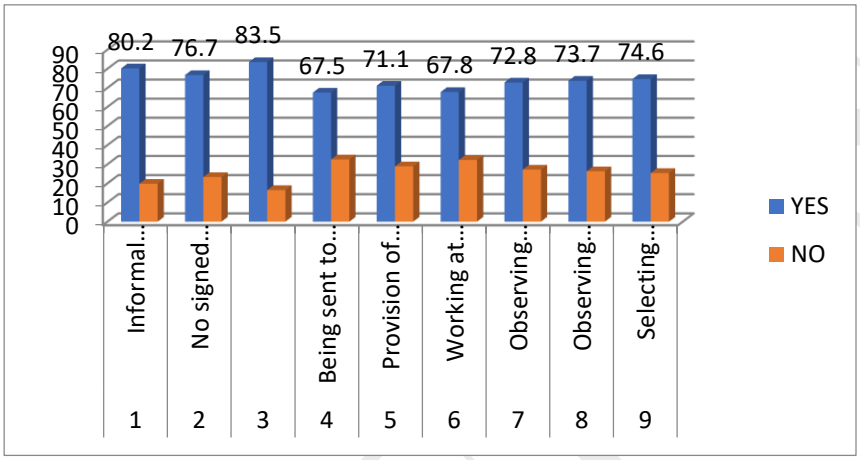


Figure 3. Informal mentoring experiences of female in leadership positions

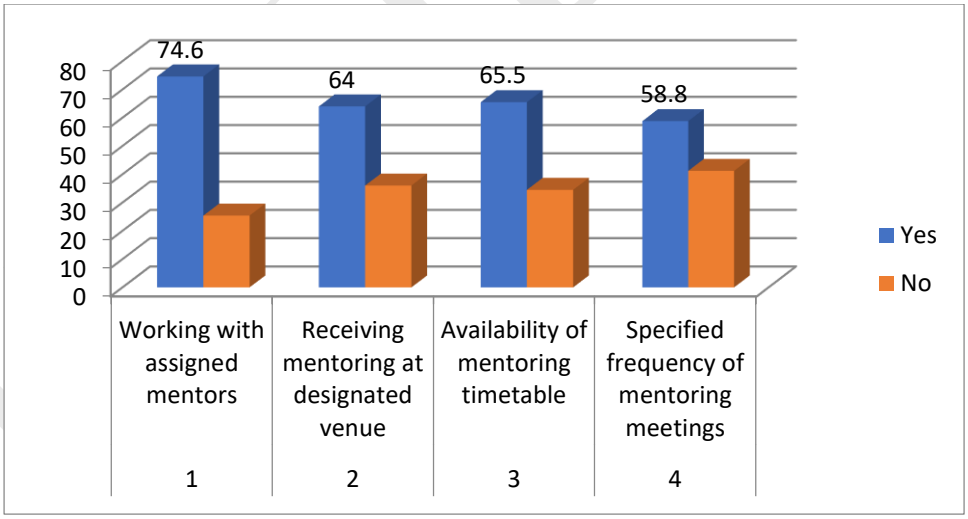


Figure 4. Formal mentoring experiences of female in leadership positions

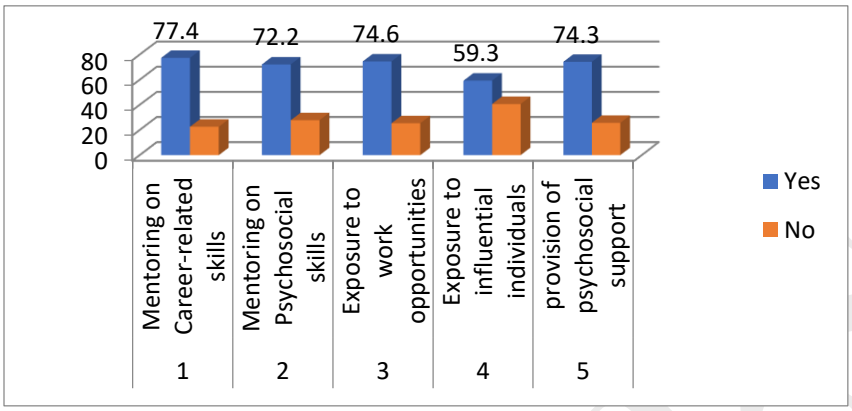


Figure 5. Both informal and formal mentoring experiences of female in leadership positions

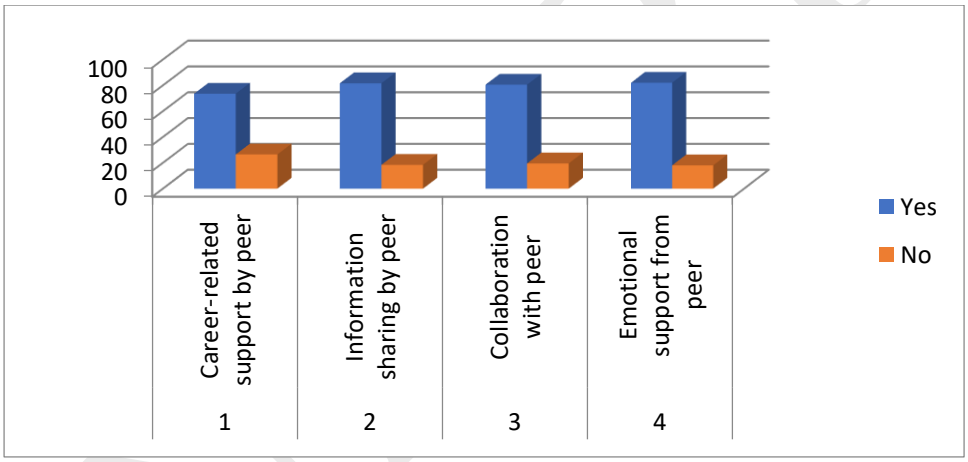


Figure 6. Peer mentoring experiences of female in leadership positions

Table 2: Impediments to Female Mentoring Observed by Female in Leadership Positions

S/n	Item	n	Yes		No	
			n	%	n	%
1.	Lack of mentoring programme in my institution	114	89	78.1	25	21.9
2.	Male-oriented institutional structure in appointment to leadership positions	113	95	84.1	18	15.9
3.	Problem of balancing family and work life	113	94	83.2	19	16.8
4.	Having few women in top-level					

positions	114	89	78.1	25	21.9
5. Female lack of interest in mentoring others	112	83	74.1	29	25.9
6. Lack of commitment to mentoring relationship	112	80	71.4	32	28.6
7. Pull her down syndrome among women	113	81	71.7	32	28.3
8. Female reluctance to mentor other women	113	96	85.0	17	15.0
9. Lack of exposure to female role models	111	94	84.7	17	15.3

Table 2 shows the percentage response on the impediments to female mentoring. The percentages ranged from 71.4% for lack of commitment to mentoring relationship to 85% for male reluctance to mentor other women. The data in Table 2 therefore suggests the nine items are barriers to mentoring female faculty for leadership positions in higher education institution. The barriers include lack of institutional mentoring program, preference of male in top-level leadership positions and general attitude and disposition of women to mentoring. The data in Table 2 is shown pictorially in Figure 7

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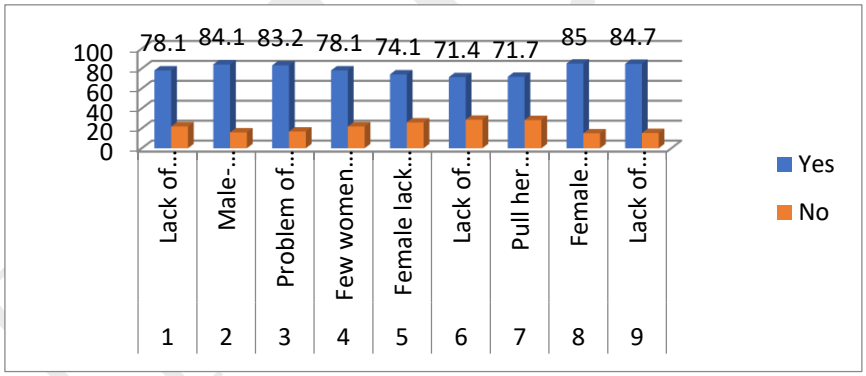


Figure 7. Impediments to female mentoring observed by female in leadership positions

Extract from interview transcript provides evidence of female reluctance to mentor other women.

"My experience is that females undo themselves. I had a female Head of Department but rather than provide mentorship, she saw me as a threat. A senior male colleague in an entirely different faculty saw the potential in me and mentored me".

Another extract also provides evidence that male-oriented institutional structure is a barrier to mentoring female faculty to leadership positions.

"Yes, because there is a belief that men can do better than women in management and administration".

Discussion

The researchers have surveyed the approaches adopted in mentoring female faculty for leadership positions as well as barriers to female mentoring in higher education institutions in Nigeria. It was found that both informal and formal approaches as well as peer mentoring were experienced by female faculty in leadership positions. It was found that there formal mentoring program is not receiving the needed attention in higher education institutions in Nigeria. The study also revealed that impediments to female faculty mentoring border on lack of institutional formal mentoring program, male-oriented institutional (patriarchy) structure in appointment to leadership positions, problem of balancing family and work life, having few women in top-level positions, and attitude to mentoring and aspiration for leadership positions.

These results supported the findings from earlier studies which show that mentoring relationship can be formal or informal (Kasprisin, Boyle Single, Single, & Muller, 2003; Joseph-Collins, 2017). Peer mentoring approach was also found which is consistent with the views of Ensher, Thomas and Murphy (2001), that peer mentoring is beneficial for developing psychosocial skills and complements career-related skills developed through supervisory mentoring. The barriers to female faculty mentorship to top-level positions support the earlier findings that women were reluctant to mentor others (Parker, Hewitt, Witheriff & cooper, 2018; Reitman & Schneer, 2008,); lack of female faculty role models (Hill and Wheat, 2017) and male-oriented organizational expectations that drippings gender inequality in Nigeria (Burkinshaw & Whit, 2017; Cullen & Luna, 2006;Keohands, 2014; Lipton, 2017; Morley, 2014).The finding that female faculty pull down fellow women is consistent with the views of Grove (2018) that most women have a pull-down syndrome because they never praise other women's efforts but make negative comments to bring them down

The results from the study is impressive because the findings provide useful insights for developing a comprehensive mentoring program that should be implemented in higher institutions in Nigeria. The program if developed will equip female academics with career-related and psychosocial skills required for top-level leadership positions. This research study will contribute towards bridging the gender gap that exists at the top-level position and the patriarchy syndrome that has reduce female academics from attaining leadership positions in universities. To encourage female faculty to engage in mentoring of junior ones and peer, institutions need to incentivize mentorship and incorporate it into training programs and need for women to support one another.

Conclusion

This study has contributed to literature by documenting the mentoring experiences of female faculty in leadership positions and the impediments they observed in mentorship in

higher education institutions. Our study revealed the female leaders experienced informal mentoring more than formal and peer mentoring, which suggest that although informal, formal and peer mentoring are adopted in higher education institutions, it has not been institutionalized to help bridge the existing gender gap in top-level leadership positions. Mentoring awareness can also reduce barriers to female career advancement, tenure and financial position. However, additional studies are required to explore mentoring functions female faculty in leadership positions provide to their juniors and comparison of mentorship across higher institutions in Nigeria and other African countries.

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