

EXPLORING SELF-COMPASSION, PERCEIVED STRESS AND CAREER ASPIRATION AMONG HIGHER SECONDARY STUDENTS

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ABSTRACT

Students have always associated higher secondary examination with stress, fear and confusion, mainly due to two reasons-firstly, the approaching board exams, leading to the pressure to excel at academics in order to ensure admission in good colleges. Secondly, due to the inevitable decision of choosing a possible career path, that might determine their destiny. During such stressful times, the ability to look at oneself with kindness and concern is expected to play a huge role in ensuring one's well-being. Gilbert (2005) suggests that self-compassion enhances well-being because it helps individuals to feel cared for, connected, and emotionally calm. Self-compassion involves being caring and compassionate towards oneself in the face of hardship or perceived inadequacy (KornWeld, 1993; Hanh, 1997; Salzberg, 1997; Bennett-Goleman, 2001; Brach, 2003). Therefore, it would be interesting to find out whether students scoring high on self-compassion are indeed able to cope better with stress and are high on career aspiration. This study also seeks to examine the differences on self-compassion, perceived stress and career aspiration among students studying in class 12. A sample of 120 students, 60 from sciences and 60 from humanities, (comprising of 30 males and 30 females from each faculty), was taken and the differences between the two groups were analysed using t-test. The differences were seen in light of gender and faculty- sciences and humanities, in the context of the present study. The results of the study have suggested that self-compassion indeed negatively correlates with perceived stress and positively correlates with educational aspirations. Results and implications have further been discussed in detail.

Keywords: Career aspiration, higher secondary students, perceived stress, self-compassion

1. INTRODUCTION

Compassion has always been perceived as a virtue and human beings have often directed this virtue towards others, while ignoring the one person who needs it the most- their own self. Even though the concept of self-compassion is not new but its presence in the field of positive psychology is only a decade old. Buddhism has always been concerned with analyzing and understanding the nature of self; many of its ideas have proved

especially useful for researchers interested in studying and enhancing the self [1]. Self-compassion is one such concept that Buddhists consider being of utmost importance. In Buddhist psychology, it is believed that it is as essential to feel compassion for oneself as it is for others. The definition of self-compassion, moreover, is not distinguished from the more general definition of the word compassion. Just the way compassion involves showing concern for others, treating others with tenderness, love and care; self-compassion involves being open to and moved by one's own suffering, experiencing feelings of care and kindness towards oneself, taking an understanding, nonjudgmental attitude towards one's inadequacies and failures, and recognizing that one's own experience is part of the common human experience [2].

Due to the concern that self-compassion entails for oneself, it might be easy to compare self-compassion with selfishness, but it is important to understand that self-compassion does not mean putting oneself ahead of the others; it instead refers to not being dissonant with one's own self and being able to treat oneself with love and understanding even in the face of failures. For this reason, a compassionate attitude towards oneself can be said to entail the equilibrated mental perspective known as mindfulness [3,4,5,6,7]. Mindfulness is a nonjudgmental, receptive mind state in which individuals observe their thoughts and feelings as they arise without trying to change them or pushing them away, but without running away with them either [8,9,10]. In order for individuals to fully experience self-compassion, they must adopt a mindful perspective: they must not avoid or repress their painful feelings, as it is necessary to acknowledge one's feelings in order to feel compassion for oneself, but one must not become overidentified with one's feelings either, as a certain amount of "mental space" [11] is necessary to extend oneself kindness and recognize the broader human context of one's experience.

Being a human is not always easy; it takes courage to thrive in the world that is always throwing challenges across one's way; but having self-compassion, along with other traits and attributes that are required to stay afloat in the face of disappointments, can act as a source of motivation. Being self-compassionate becomes especially important during adolescence as it entails some of the most tumultuous years of a human being's life. The road through adolescence is marked with upheavals and transitions. During this developmental stage, individuals are undergoing rapid physiological growth [12,13,14] including changes in both structure and function of the brain [15]. The period of adolescence does not just prove difficult for youngsters due to the pressure that their parents exert on them, (especially in Indian context) but also due to the expectations that they set for their own selves. Their capacity for critical thinking increases and their ability to formulate their own beliefs and values develops exponentially [16]. Identity exploration, a process central to this stage of development [17], may stimulate adolescents to self-reflect and to consider their relationships with others, their niche within their peer group, and their role in society.

Late adolescents have to manoeuvre their way around a lot of challenges-ranging from their academic life to their appearance to maintaining their social life. But, in their quest for achieving balance and being able to do everything at once, comes stress and at times, even disappointments, especially, when their goals are not met.

The challenges presented by this stage, coupled with the social pressures and expectations from school and family, may influence the increasing rate of mental and emotional disorders found among adolescents [18]. However, if one stops judging oneself negatively and starts looking at oneself with kindness and as somebody who is capable of committing mistakes, the impact of negative thoughts can be lessened and global well-being can be enhanced. Research indicates that self-compassion is strongly associated with psychological well-being [19]. Self-compassionate individuals should manifest better mental health outcomes than those who lack self-compassion, such as a lower incidence of anxiety and depression, because their experiences of pain and failure are not amplified and perpetuated through harsh self-condemnation [20], feelings of isolation [21], or over-identification with thoughts and emotions [22]. Since self-compassion involves the concern for self's health and well-being, it can act as a catalyst to help one make required changes in life.

Being self-compassionate might act as a shield against stress for adolescents when they appear for their board examinations. The educational standards of school children in India are primarily evaluated based on written examinations. Every year, the Indian government conducts two board exams, otherwise referred to as public exams, at the end of the 10th (secondary education) and 12th (higher secondary education) grades [23]. These two have been considered to be the most revered examinations in an Indian students' life, as the performance in these decides the choice of appropriate faculty in 11th grade and ensures a golden ticket to the best institutions in India and abroad. Students have always associated higher secondary examination with stress, fear and confusion, mainly due to two reasons—firstly, the pressure to excel at academics in order to ensure admission in good colleges. Secondly, due to the inevitable decision of choosing a possible career path, that might determine their destiny. These expectations sometimes lead students to undergo stress but being compassionate towards oneself may act as a buffer against perceiving stressful situations as catastrophic. Hence, it was hypothesized that self-compassion would negatively correlate with perceived stress.

Another promising avenue of research concerns the relationship between self-compassion and career aspirations. It is crucial to understand that career aspirations and career goals are two separate but interrelated concepts. Aspirations help define one's career goals and refer to what one values and seeks from one's career. It would seem that variation in self-compassion levels should be reflected in the types of learning goals that students adopt in the classroom, since emotions and cognitions about the self, play an important role in achievement goal formation and pursuit [24,25]. Self-compassion should be related to higher levels of perceived competence, which in turn has an impact on one's career aspirations. This is not so much because self-compassion itself enhances perceptions of competence, but because a lack of self-compassion tends to lower perceptions of competence. Previous research has linked the tendency to react with negative self-conscious emotions, such as shame, to low perceptions of self-efficacy [25], suggesting that highly self-compassionate individuals, who take a balanced perspective on their shortcomings rather than amplifying them through harsh self-judgment, feelings of isolation, or over-identification with their emotional reactions, should have relatively more positive perceptions of their abilities than those with low levels of self-compassion. Keeping the above-

mentioned premises in mind, it was hypothesized that self-compassion would be positively associated with career aspiration among adolescents.

Sciences in India happens to be the most celebrated faculty and it is often presumed that only the brightest of minds have the caliber to opt for sciences. The humble faculty of humanities, on the other hand, has always taken a backseat and has often been deemed suitable only for the ones who are unable to prove their prowess academically and the ones who lack ambition and aspirations. Going by this assumption, the present study also hypothesized that students studying sciences at higher secondary level will be high on career aspiration and self-compassion, as self-compassion has been found to be positively associated with perceptions of competence. It is, therefore, assumed that students perceiving themselves to be competent would be more inclined towards opting for sciences.

2. OBJECTIVES OF THE STUDY

- To find out whether there exist any significant differences between late adolescents studying sciences at the higher secondary level and the ones studying humanities on self-compassion, perceived stress and career aspiration
- To find out gender differences among late adolescents on self-compassion, perceived stress and career aspiration
- To assess whether there exists any significant correlation among the three variables under study- self-compassion, perceived stress and career aspiration

3. HYPOTHESES

- It is expected that students studying sciences will be higher on self-compassion, perceived stress and career aspiration as compared to students studying humanities
- It is expected that male adolescents will be higher on self-compassion and career aspiration as compared to females
- It is expected that females will be more susceptible to perceiving stress as compared to males
- Self-compassion will correlate positively with career aspiration whereas it will negatively correlate with perceived stress

4. METHODOLOGY

4.1. SAMPLE

A total of 120 higher secondary students studying in various private and government schools of Chandigarh participated in the study. The sample consisted of 60 students from sciences and 60 from humanities, (comprising of 30 males and 30 females from each faculty), in the age range of 16 to 18 years. The method of

purposive sampling was employed for data collection, keeping in mind the context of the study. Only the ones interested in participating the study were selected and the ones who did not report any history of physical or psychological problems.

4.2. TOOLS

- Self-Compassion Scale Short Form (SCS-SF): SCS-SF, given by Raes et al. (2011) [26] consists of 12 items which are divided over six subscales corresponding to six components of self-compassion. The six components include self-kindness, self-judgment, common humanity, isolation, mindfulness and over-identification.
- Perceived Stress Scale: PSS by Cohen et al. (1994)[27] is a measure of the degree to which situations in one's life are appraised as stressful. Items have been designed to tap how unpredictable, uncontrollable, and overloaded respondents find their lives. The scale also includes a number of direct queries about current levels of experienced stress. The PSS asks 10 questions about feelings and thoughts during the last month.
- Career Aspiration Scale: CAS-Revised, given by Gregor and O'Brien (2015) [28] consists of 24 items that measure career aspiration on three dimensions that include leadership aspirations, achievement aspirations and educational aspirations.

5. RESULTS

The purpose of the study was to find out the differences between higher secondary students studying sciences and humanities on self-compassion, perceived stress and career aspiration, as well as to study gender differences on these variables. In order to meet the objectives of the study, descriptive statistics were applied to calculate mean and standard deviation for the total group; separately for students from sciences and humanities as well as for males and females to find out gender differences. Then, t-ratio was calculated to find out whether any significant differences existed between the students on the three variables. Furthermore, in order to figure out the extent of the interface among all the variables, Pearson's Product Moment method was applied to find out the correlations on the total sample.

Table 1 provides the summary of group means for the entire sample; adolescents from sciences and humanities respectively on self-compassion, perceived stress and career aspiration.

TABLE 1: GROUP MEANS OF THE TOTAL SAMPLE; ADOLESCENTS FROM BOTH THE FACULTIES ON SELF-COMPASSION, PERCEIVED STRESS AND CAREER ASPIRATION.

VARIABLES	SELF-COMPASSION	PERCEIVED STRESS	LEADERSHIP ASPIRATIONS	ACHIEVEMENT ASPIRATIONS	EDUCATIONAL ASPIRATIONS
TOTAL	38.83	18.99	23.49	25.54	22.49
SCIENCES	38.58	18.50	23.58	24.72	23.10
HUMANITIES	39.08	19.48	23.40	26.35	21.88

The application of descriptive statistics on our sample shows that students from both sciences as well as humanities have scored moderately on self-compassion, perceived stress, leadership aspirations and educational aspirations but both the groups have scored high on achievement aspirations.

Table 2 provides the summary of group means for the entire sample; males and females, respectively on self-compassion, perceived stress and career aspiration.

TABLE 2: GROUP MEANS OF THE TOTAL SAMPLE; MALES AND FEMALES ON SELF-COMPASSION, PERCEIVED STRESS AND CAREER ASPIRATION.

VARIABLES	SELF-COMPASSION	PERCEIVED STRESS	LEADERSHIP ASPIRATIONS	ACHIEVEMENT ASPIRATIONS	EDUCATIONAL ASPIRATIONS
TOTAL	38.84	18.99	23.49	25.54	22.49
MALES	39.22	16.83	24.23	26.10	22.38
FEMALES	38.45	21.15	22.75	24.97	22.60

The application of descriptive statistics on our sample shows that males and females both scored moderately on self-compassion, perceived stress, leadership aspirations and educational aspirations but both the groups were high on achievement aspirations.

Table 3 shows t-ratios of higher secondary students studying sciences and humanities on self-compassion, perceived stress, leadership aspirations, achievement aspirations and educational aspirations.

TABLE 3: T-RATIOS OF SCIENCE AND HUMANITIES STUDENTS ON SELF-COMPASSION, PERCEIVED STRESS AND CAREER ASPIRATION

VARIABLES	t-RATIO	p-VALUE
SELF COMPASSION	0.438	NOT SIGNIFICANT
PERCEIVED STRESS	0.825	NOT SIGNIFICANT
LEADERSHIP ASPIRATIONS	0.168	NOT SIGNIFICANT
ACHIEVEMENT ASPIRATIONS	1.795	NOT SIGNIFICANT
EDUCATIONAL ASPIRATIONS	1.322	NOT SIGNIFICANT

Based on the results, the choice of faculty does not seem to play any role in the amount of self-compassion that students feel for themselves nor does it seem to influence their levels of perceived stress, leadership aspirations, achievement aspirations and educational aspirations.

Table 4 shows the t-ratios gender differences on self-compassion, perceived stress, leadership aspirations, achievement aspirations and educational aspirations.

TABLE 4: T-RATIOS SHOWING GENDER DIFFERENCES ON SELF-COMPASSION, PERCEIVED STRESS AND CAREER ASPIRATION.

VARIABLES	t-RATIO	p-VALUE
SELF COMPASSION	0.673	NOT SIGNIFICANT
PERCEIVED STRESS	3.831**	SIGNIFICANT
LEADERSHIP ASPIRATIONS	1.370	NOT SIGNIFICANT
ACHIEVEMENT ASPIRATIONS	1.237	NOT SIGNIFICANT
EDUCATIONAL ASPIRATIONS	-0.234	NOT SIGNIFICANT

The results point towards significant differences between males and females on perceived stress, at both 0.05 and 0.01 levels, with females reporting higher levels of stress as compared to males. But, no significant differences emerged on the other parameters.

Table 5 shows correlations among self-compassion, perceived stress and career aspiration for the entire group.

TABLE 5: PEARSON'S PRODUCT MOMENT CORRELATION FOR THE ENTIRE GROUP

VARIABLES	SELF-COMPASSION	PERCEIVED STRESS	LEADERSHIP ASPIRATIONS	ACHIEVEMENT ASPIRATIONS	EDUCATIONAL ASPIRATIONS
SELF-COMPASSION	1	-0.498**	.088	0.176	0.202*
PERCEIVED STRESS	-0.498**	1	0.049	-0.110	-0.081
LEADERSHIP ASPIRATIONS	0.088	0.049	1	0.633**	0.407**
ACHIEVEMENT ASPIRATIONS	0.176	-0.110	0.633**	1	0.565**
EDUCATIONAL ASPIRATIONS	0.202*	-0.081	0.407**	0.565**	1

**Correlation is significant at 0.01 level.

*Correlation is significant at 0.05 level.

Pearson's Product Moment Correlation suggests that self-compassion is highly negatively correlated with perceived stress and self-compassion significantly positively correlates with educational aspirations.

6. DISCUSSION OF RESULTS

The results of the present study show that students studying sciences and humanities were moderately self-compassionate towards themselves, perceived stress moderately, had moderate leadership and educational aspirations but high achievement aspirations. This directs towards the fact that achievement held a priority in the lives of adolescents, irrespective of their gender and the career path that they had chosen.

Results, however, did not point towards any differences on self-compassion, perceived stress and career aspiration between students opting for different faculties, however, differences have emerged in the context of gender, suggesting that girls are significantly higher on perceived stress as compared to boys. Previous studies on self-compassion in the context of gender differences have been rather inconclusive and inconsistent; with only a few studies showing that females are lower on self-compassion as compared to boys [29,30] and there have been studies that have found no gender differences on self-compassion [31,29,32,33]. Gender, therefore, needs to be explored further in self-compassion research in general.

The results of the present study in the context of perceived stress are in line with the results of previously conducted studies. This appears to be explained by the fact that women are often more self-critical and ruminate on negative aspects of themselves more often than men [34,35]. With regard to gender differences, increased perceived stress related to interpersonal stressors has been found in adolescent girls [36,37,38,39,40]. These stressors were associated with depression in girls but not in boys [39]. Moreover, girls applied more support seeking [41,42,43,44]. In contrast, they scored higher on maladaptive emotional coping such as emotional ventilation [45,41], as well as maladaptive cognitive strategies such as avoidance and resignation [42,43,37]. Compared with younger girls, adolescent girls were characterized by a heightened perceived stress and a maladaptive coping pattern with decreased positive self-instructions and distraction in conjunction with increased rumination and resignation [43].

Nolen-Hoeksema [46] argued that ruminative coping is the most important risk factor for the development of depression in adolescent girls. In terms of research with adolescents, the role of self-compassion in supporting the well-being of girls in later adolescence is of particular interest since findings support the conclusion that older adolescent girls are particularly vulnerable to depression; and positive well-being during adolescence has been found to be a protective factor in association with depressive symptomatology [47].

Another important finding of the study is the significant negative correlation between self-compassion and perceived stress. In a study conducted by Neff and McGehee (2010), self-compassion was found to be associated inversely with anxiety and depression and positively with social connectedness [30]. Although self-compassion has the potential for promoting positive well-being among adolescents [2], there is a clear paucity of research in this area that needs to be addressed.

Self-compassion correlated significantly positively with educational aspirations. Even though there is no evidence suggesting that self-compassion is associated with career aspirations but self-compassion is related with higher levels of perceived competence. This is not so much because self-compassion itself enhances perceptions of competence, but because a lack of self-compassion tends to lower perceptions of competence. Moreover, educational psychologists often make a distinction between mastery-based and performance-based academic achievement goals [48,49,50]. Students with a mastery orientation towards learning are motivated by curiosity and the desire to develop skills, master tasks and understand new material. They tend to set their own

standards for achievement, make effort attributions for success and failure, and view the making of mistakes as a part of the learning process. Therefore, it would not be incorrect to posit that educational aspirations are reflected in goals of mastery and self-enhancement, which are associated with lesser fear of failure that is experienced by self-compassionate individuals [29].

7. CONCLUSION

It can, therefore, be concluded from the results of the study that self-compassion is indeed a virtue, which can act as a catalyst towards enhancing our overall well-being. Significant negative relationship between self-compassion and perceived stress demonstrates that being compassionate towards oneself may be indicative of the fact that being kind towards oneself in the face of stressful situations can help one to cope better with stress. The most promising aspect of the self-compassion construct can be found in its potential as a remediation tool for individuals who suffer from negative self-attitudes [2] and negative self-attitudes are often the root cause of excessive stress perception.

Also, an inference can be drawn from the present research that helping adolescents harbor self-compassion can help them develop a positive perception of situations as well as the world around them. In order to facilitate the process of non-judgmental understanding, parents can adopt positive parenting practices so that their children can learn to forgive themselves and be kind towards themselves. This can further help them to grow into self-compassionate adolescents. Interventions can also be designed to be applied at school level to help children form positive self-concepts. Since self-compassion enhances mastery based academic goals, it is worth exploring how it can affect adolescents' career aspirations. Moreover, it still remains an unexplored territory; therefore, future research endeavours can be directed towards understanding the impact that self-compassion has on aspirations and also towards developing practical interventions to enhance this attribute.

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