The effect of COVID fatigue on mental health in the public sector organizations: exploring compassion as a mediator

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Abstract This study examines the impact of COVID fatigue on mental health amidst the pandemic. In particular, it tries to understand the mediating role of compassion in the equation between COVID fatigue, corona anxiety, social support, and mental health. Systematic review was conducted to understand the interrelationship among chosen variables. Hierarchical regression was used as a tool of empirical evidence for the derived interrelationships. The results from a survey of 307 white-collar employees from public sector organizations in India confirmed the mediating role of compassion on mental health. The results state that a unit change in the dependent variables of COVID fatigue, corona anxiety, and social support can have an impact of 9.7% on the mental health quotient. It was also found out that introducing a unit of compassion in the equation will mediate the impact to 3.7%. In this study, 61.1% of participants were categorized as psychologically fatigued and 38.9% as psychologically non-fatigued. Implications for the theory and practice of compassion are discussed, and future research directions offered.

Keywords COVID fatigue • Compassion • Corona anxiety • Social support • Mental health • Corona pandemic

Introduction

The outbreak of the COVID-19 in Wuhan, China, has affected the economy globally (MacIntyre 2020; Newey & Gulland 2020). The dramatic impact of pandemic left the workplaces with the inevitable practice of “unlearning and relearning” (Lund et al. 2020). The workplaces on the one hand are battling with emergent change in work practices and the employees with stress and mental health concerns (Brosschot et al. 2005; Shigemura et al. 2020; Kniffin et al. 2021). The disease has already taken hold in Europe, the USA, and Southeast Asia and is beginning to wreak havoc in Africa and South America. India is battling with the second wave of Corona. The trends demonstrate that the first wave at its peak recorded approximately 1,00,000 new cases every day. The second wave at its peak has recorded approximately 3,00,000 new cases every day (Kamraju 2021). The COVID active cases and death statistics in the country as of 22 June 2021 are 6,62,521 and 3,89,302, respectively (MOHFW 2021). The decreasing count of active cases since the peak of the second wave in April 2021 has been due to the introduction of a mass vaccination program in India. A total of 28,87,66,201 people have been vaccinated by 22 June 2021 (MOHFW 2021). The concept of COVID fatigue can be defined as presumed tendency for people naturally to become tired of the rules and guidance they should follow to prevent the spread of COVID-19 (Michie 2020). It has
been more than a year battling the chaos and uncertainty at the workplaces, and the organizations have started stinking of the COVID fatigue. The severity of the pandemic and the anticipated painful aftermath are the major reasons behind this study.

Severe lockdowns were imposed in India with Government Organizations functioning at 50% capacity and private organizations adopted work from home routine (DOPT 2021). This was because public sector organizations form the backbone of the Indian economy (Pandey and Saxena 2020). People working in such Government organizations are working under immense fear and pain. They are at such a high risk of transmitting the virus back to their families and loved ones (Wong et al. 2020). This was the major reason behind considering a public sector organization for the study. The numbers are alarming. Organizations need to be prepared with an effective coping mechanism to deal with the present challenges and the aftermath of this pandemic. During this crisis, the support from superiors, peers, and compassion at the workplace can work wonders to release the mental burden of employees (Banerjee 2020). The paper tries to understand the impact of COVID fatigue on employees and how compassion mediates the equation in the presence of other substantial corona-related factors. The variables such as COVID fatigue, corona anxiety, social support, mental health, and compassion have been chosen after an extensive literature review to understand crisis management in organizations. A preliminary literature review was conducted for the year 2018–2020 to understand the most substantial corona-related variables. This preliminary review of the literature led to the choice of five most relevant corona-related variables which can help develop an efficient coping mechanism in organizations.

Literature review

Workplace fatigue

Most of the literature concerning occupational health and safety risks is associated with sleepiness and fatigue as the major cause of concern at workplace (Rosekind 1999; Akerstedt 1988; Lauber and Kayton 1988; Mitler et al. 1994; Morgul et al. 2021). Fatigue at work is directly related to sleepiness at work, reduced alertness, impaired neurobehavioral performance, and increased risk of accident and injury at work (Tilley et al. 1981, 1982). The concept of workplace fatigue is not a new one. It exists since the time man was first placed in an environment where the demand for food and shelter exceeded an easily available supply. However, things took a drastic turn after the invention of electric light. Before that, illumination for working was provided only by fires, candles, or gas lamps and thus working hours were limited to daytime (Newton et al. 2010). These sources did not provide adequate intensity of light needed for detailed oriented work. The introduction of the electric light at the workplace provided levels of illumination equal to or better than daylight. Post that, work hours have never been limited by daylight. In 1910, prior to the widespread use of electric lights at workplace, the average sleep time of an employee was 9 h. Post that, the average sleeping time has reduced to 7–7.5 h, being a major cause of workplace sleepiness and fatigue (Coren et al. 1997).

Fatigue was been mostly researched in clinical studies in the early 1900. The concept of psychological fatigue was the prime focus of conceptual and empirical studies concerning clinical population (Rosekind et al. 2010). Psychological fatigue is caused by inadequate rest, physical effort, or mental strain unrelated to a specific medical condition. The shift of focus from physical fatigue to psychological fatigue and the change of epicenter from clinical to non-clinical population were the key points of revolution in the studies conducted in and post 2000s (Noy et al. 2011; Dembe et al. 2008; Vegso et al. 2007).

The studies post 2000s also had a substantial linkage of fatigue to positive emotions and positive interventions at the workplaces, though the number of such studies has been very limited. The next section explains the relationship between COVID fatigues and positive emotions at workplace in detail.

COVID fatigue and positive emotions at the workplace

Emotions are the building blocks of humanity. They play a substantial role in decision making and communicative experiences at individual, group, and organizational level (Miller 2007). Human emotions have always been directly proportional to productivity at workplace. Positive emotions at workplace have always helped improve the employee productivity
Pandemic has not only threatened the physical health quotient of an individual employee but has degraded the quality of healthy workplace culture (Barsade and Knight 2015). COVID fatigue is slowly seeping into the emotional quotient of the workplaces. Social distancing has initiated the ripples of emotional distancing as well. With the workplaces thriving for economic stability and building deeper emotional connections at work simultaneously, the efficacy to attain the balance is still questionable. With so much noise about the economic slowdown, are we filtering out the mental slowdown? Are we soon entering a mental health crisis? Is there enough communication toward flattening the mental health curve? These are some of the critical questions that form the foundation of this research.

13% of global burden of diseases is borne by depressive and anxiety disorders (Choda 2020). Mental health has been the primary cause of concern as per to the global health statistics (Erceg et al. 2020). The pandemic has negatively affected the mental health of 56% of adults (Kaiser et al. 2020). December 2019 has been beginning of this dreadful episode. The virus started spreading at a multiplied rate across boundaries causing threat to human life (Erceg 2020). Originated from a city called Wuhan in China, it spread across the nation. The impact of this was so drastic that on 30 January 2020, WHO announced COVID-19 epidemic as Public Health Emergency of International Concern. As of May 24, 2020, there have been 5.2 million cases, with 337,736 deaths reported to WHO globally (Sharma et al. 2020).

Social, economic, and psychological concerns

Since the outbreak, the major concern for economists all around the world was the financial havoc it had created (Tooze 2020). But the focus shifted when it started taking a toll on people’s mental and physical health (Ma et al. 2020). There is so much information floating around. Newspapers, media, online portals are all trying to spread awareness with the right intent. But this overdose of information is creating a sense of panic and obsession with the pandemic (Smith 1976; Kumar and Somani 2020). These obsessions or mental health concerns can have serious repercussions. Mental health concerns not only lead to mental disorders and illnesses, but to serious social problems such as physical self-harm and harm to others, criminal behavior, suicide, unproductive behavior at work, and many more (Choda 2020). The rising number of cases pertaining to domestic violence, abuse, crimes, and suicides is substantial proof of the degradation of mental health quotient during the pandemic. A major aspect of maintaining a healthy mental health quotient lies in the work–life balance. Work consumes a major part of one’s life, and hence, the constantly changing structures and routines at work have been a tedious task during the pandemic.

The outbreak of COVID-19 has bought with it numerous changes in the working pattern. Flexible work schedules are need of the hour. But are these new flexible working patterns safe for employee mental health? The psychosomatic effects of the corona anxiety and fatigue have also been a subject of concern for the researchers in the domain of mental health (Nardi and Cosci 2021). A major source of emotional exhaustion and depression in employees is high job demands. Work constitutes a major part of one’s life, and hence, well-being at work is of prime importance. These flexible working patterns are blurring the lines between work–life parameters (Rofcanin and Anand, 2020). A major rise in stress among employees is observed when there is a low job control. What better trigger than the ongoing pandemic? The outbreak was so uncertain, and the organizations were so unprepared that the emotional cost associated with such low job control situation is very high (De Lange et al. 2004).

Compassion

Compassion is a human emotion that is a response to suffering and motivation to act (Strauss et al. 2016). Looking at the historical evidence, compassion has roots in disciplines such as religion, philosophy, and sociology. Through the evolution of society over years, it is still believed that the essence of compassion has remained unchanged (Nussbaum 1996). The mention of compassionate acts was present in Judaism, Buddhism as well as Biblical Traditions. Though the concept of compassion is 2500 years old as per Buddhist traditions, the literary work started evolving after 1871 (Kanov et al. 2004). The evolution of compassion, varied definitions, and the conceptualization of the concept are chronologically explained below (Table 1) (2004).
Theory of compassion (Adam Smith, 1759)

The theory that forms the very base of compassion is “Adam Smith’s Theory of Moral Sentiments.” Crisp (2008) in studying and assessing the theory says that no matter how self-centered a person appears to be, there are some elements, which interest them to think about other people’s happiness. Though one doesn’t derive an advantage out of it, the mere thought of the happiness of other people makes it all pleasurable. The emotional experience associated with seeing the other person in pain, the misery of it touches us. It is also called the principle of “emotional contagion” (Crisp 2008, p. 240). The most common example of emotional contagion would be young babies who get distressed by the mere sound of other babies crying. This is the basis of compassion. As Smith rightly describes it “original passions of human nature” (Smith, 1759, p. 2).

Process of compassion

Lilius et al. (2011) provides the process of compassion. Lilius further goes on to say that workplace compassion is a collective effort toward empathizing with an employee burdened with suffering. This process ignites a movement at the workplace which induces empathy, reduces pain, and co-creates a collective response. The three-step process of compassion by Lilius is described below:

1. Notice Suffering: To observe and notice whether employees are suffering in the workplace due to excessive stress or pain.
2. Felt Empathetic Concern: To empathize with the employees and make efforts to understand them better.
3. Compassionate Responding: Provide compassion care to support the suffering employees and make things better for them.

Although organizations have been portrayed as places with contradictory elements of rapid growth and suffering, some leaders help employees deal with painful situations, and some peers empathize and support their colleagues. Compassion in an organization emphasizes the need to be seen and heard in an organization (Frost et al. 2000). Most of the compassionate leaders listen and engage teams in day-to-day decision making so that none of the employees feel left out (Kahn 1993). Majority of studies and research conducted on workplace compassion talk about implementing compassion in leadership styles.

### Table 1 Definition and conceptualization of compassion

| S. No | Author               | Definition                                                                                                                                 |
|-------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Darwin (1871)        | “those communities which included the greatest number of the most sympathetic members would flourish best, and rear the greatest number of offspring” (p. 130) |
| 2     | Lazarus (1991)       | “Being moved by another’s suffering and wanting to help” (p. 289)                                                                       |
| 3     | Dalai Lama (1995)    | “An openness to the suffering of others with a commitment to relieve it”                                                                     |
| 4     | Neff (2003b)         | “being open to and moved by one’s own suffering, experiencing feelings of caring and kindness toward oneself, taking an understanding, nonjudgmental attitude toward one’s inadequacies and failures, and recognizing that one’s own experience is part of the common human experience” (p. 224) |
| 5     | Kanov et al. (2004)  | “exists when members of a system collectively notice, feel, and respond to pain experienced by members of that system” (p. 822)             |
| 6     | Gilbert (2009)       | “A deep awareness of the suffering of another coupled with the wish to relieve it” (p. 13)                                                   |
| 7     | Goetz et al. 2010    | “the feeling that arises in witnessing another’s suffering and that motivates a subsequent desire to help” (p. 351)                           |
| 8     | Pommier (2010)       | Compassion can be defined by three elements: kindness, mindfulness, and common humanity (Strauss et al. 2016)                                 |
| 9     | Feldman and Kuyken (2011) | “an orientation of mind that recognizes pain and the universality of pain in human experience and the capacity to meet that pain with kindness, empathy, equanimity, and patience” (p. 145) |
| 10    | DOH (2012)           | Compassion has even been defined as “intelligent kindness” (p.13)                                                                       |
communication networks, and decision making. Such studies “engage our minds but fail to engage our hearts” (Kanov et al. 2004, p. 810). The human experience is incomplete without the mention of empathy, kindness, suffering, and healing (Duan & Hill 1996; Kellett et al. 2006). These studies fail to understand the facet of human emotions in organizations (Kanov et al. 2004; Frost 1999; Rozin 2001; Sandelands 1998, 2003; Weick 1999). Most of the researches has very little to contribute toward the human element of workplace compassion.

**Compassion as a positive psychology construct**

**Occupational health hazard and compassion**

Occupational illness is defined as “a condition that results from exposure in a workplace to a physical, chemical or biological agent to the extent that the normal physiological mechanisms are affected and the health of the worker is impaired” (Selvi, 2020). Occupational health hazard generally develops over a period of time. This may be due to a particular working pattern or exposure to certain chemicals or dust during the working hours. Another reason may be a certain outburst of a virus or bacteria such as the COVID-19. Compassion is not only associated with emotional support but also as a physical support. Research suggests that caring social networks have a positive physical impact on an individual. It leads to improved immunity, lower blood pressure, lower mortality, and greater creativity (Boyatzis et al. 2006). Most of the scientists have specified building immunity as a strong coping mechanism against fighting COVID-19. Poor occupational health could be one of an important stressors for mental health (Zabelina and Robinson 2010). The next section explains the severity of the mental health hazard in detail.

**Mental health hazard and compassion**

The most severe impact of the Corona Pandemic has been on the mental health. It has been very difficult for organizations to carry out their day-to-day functioning with this rapidly spreading communicable pandemic. Organizations in such a difficult time have opted for flexible remote working options or work from home. Most of the employees working from home are loaded with additional work pressures making it difficult for them to maintain the required work–life balance (Folkard and Tucker 2003; Chakravorty and Singh 2020). On top of it, the added stress of keeping loved ones safe from the pandemic is causing havoc in the mind. In such a situation, compassion can be used a very important positive intervention. Compassion care could be introduced to provide support to overburdened employees during the pandemic. Compassion is said to promote individual well-being and improve mental health (Cosley et al. 2010; Feldman and Kuyken 2011; MacBeth and Gumley 2012). It is also said that compassion helps social groups protect people who are feeling emotionally vulnerable or are suffering at a given point of time (Goetz et al. 2010). Gilbert’s work on compassion is interlinked to his previous work on depression. He tried to understand depression from the perspective of self-criticism, shame, and powerlessness. He found compassion as a great tool to deal with the challenges of deteriorating mental health (Gilbert 1984, 2000).

**Other variables under consideration**

On the basis of amalgamation of literature studies over crisis management and positive interventions at the workplace, over the last 30 years, and the understanding of current pandemic, the following three allied variables have been chosen for the study.

**Corona anxiety**

Corona Pandemic has been widely studied in the light of economic and financial crisis. But the central theme derived from the literature review has been neglected. The dearth of studies discussing the impact of corona pandemic on mental health led Sherman A. Lee to develop a Corona Anxiety Scale. This scale measures the dysfunctional anxiety caused by the corona pandemic. The scale is a self-report mental health screener which is reliable and validated to generate useful insights (Lee 2020).

**Social support**

The outbreak of the pandemic brought with it a series of continuous lockdowns. Some people were stuck in these lockdown for months without their families and
friends. Social support has been an extremely critical factor during the pandemic. The impact of social support on the physical, mental, and emotional health of an individual cannot be overlooked. Despite the relevance, there is a dearth of studies surrounding social support during corona pandemic. Hence, it is marked as an important variable for consideration (Veer et al. 2020).

Mental health

Corona pandemic has primarily caused a lot of threat to physical health of an individual. With so much discussion about the immunity and physical strength, the aftermath on mental health being overlooked? (Slemp et al. 2014). Researchers suggest that the impact of the pandemic on the physical health and immunity is temporary, and the major long-term implications would be on mental health (Kumar and Somani 2020; Arnout 2020; Pfefferbaum et al. 2020). Most often, there is an interchangeable use of terms like mental health, wellness, and well-being. The next section clearly defines the said concepts, their origin, and their growth over a period of time.

Evolution of literary work on mental health dates back to 1950s. After World War II, influential work on mental health began to be published. Seminal work on mental health was done by Jahoda in 1958. R. Grinker’s studies of “homoclites” were the first empirical study of positive mental health in 1962. World Health Organization (2014) defines “Mental Health” as “a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity.” It is a dynamic state of internal equilibrium which enables individuals to use their basic cognitive and social skills to cope with adverse life events and maintain harmonious relationship between body and mind (Galderisi et al. 2015). In Indian origin, the first psychiatric mental health camp in India was organized in 1972, at Bagalkot, a taluka town of Mysore. Due to the rise in mental health disorders, this was the first time the concept of mental health was introduced in India. Decades later, the scenario has not altered substantially. There has been an improvement in the status of physical health, but mental health still suffers. About 14% of the global burden of disease is attributed to neuropsychiatric disorders. Hence, there arises a need to discuss and address the increasing concern in detail (Srivastava 2016).

Methodology

The methodology consists of both qualitative and quantitative analysis tools which are explained below in detail.

Literature review

Literature review was conducted in two parts. In the first part, a preliminary literature review was done for the past two years from 2018–2020 to understand the corona-related variables most affecting the organizations. The choice of five most substantial corona-related variables was made. In the second part, a systematic literature review was conducted to understand the role of compassion as a mediating variable. The step-by-step process adopted for the systematic review is explained below.

Identification of relevant literature

The first step in the review was identifying the relevant literature on compassion for past 30 years from 1990–2020. The database of ISI Web of Knowledge was used for retrieval of records. Records from databases such as EBSCO, Taylor and Francis, Emerald, Springer, Elsevier, Wiley, ProQuest, and JSTOR are included in ISI Web of Knowledge database. Upon inspection, the keywords “compassion in organizations,” “employees and COVID fatigue,” “COVID-19 and organizations,” and “crisis management in organizations” were used to manually search and retrieve the records. Along with the keywords, organizational behavior was selected as a domain in the filtering criteria.

- The database of ISI Web of Knowledge with the keywords “compassion” and “corona pandemic” was used for retrieval of literature. 24,500 papers were retrieved. The year criteria were set “1990–2020” as the inclusion criteria. The number of papers was reduced to 18,800. The language criteria selected “English” as a language. The number of papers further reduced the number to 15,000. The research areas were narrowed down to

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“Psychology,” “Behavior Science,” “Social Science,” “Education Research,” “Behavioral Sciences,” “Communication,” “Asian Studies,” “Arts & Humanities,” “Developmental Studies” as the inclusion criteria. 8777 papers were retrieved. Out of which, 27 records were considered for review based on their relevance to the theme of the paper.

- Any record or literature retrieved outside the mentioned criteria of keywords, year, and language was excluded from the review. Grey literature was excluded from the review.
- The flowchart for PRISMA search strategy is explained below (Fig. 1).

Quantitative analysis

In order to see the impact of COVID fatigue, corona anxiety, compassion, and social support on mental health, with the mediating effect of compassion, the following instruments were selected:

- Corona anxiety was measured with a Corona Anxiety Scale (CAS). This scale was developed by Sherman A. Lee in April 2020. This is a five-item five-point Likert scale from 0 (not at all) to 4 (nearly every day). It captures dysfunctional anxiety symptoms for a period of last two weeks. A CAS total score ≥ 9 indicates probable dysfunctional coronavirus-related anxiety. A score ≥ 9 would require further clinical assessment (Lee 2020).

- COVID fatigue was measured with Fatigue Assessment Scale (FAS), which is a 10-item self-reported questionnaire designed by Michielson et al. (2003) to assess general fatigue in the population. Five questions address physical fatigue and five questions mental fatigue (Drent et al.)

![Flowchart for PRISMA Search Strategy](image-url)
In scoring, FAS scores 10–21 = no fatigue (normal) and FAS scores 22–50 = fatigue.

- Compassion was measured by the Santa Clara Brief Compassion Scale (Hwang et al. 2008). It is a five-item, seven-point Likert scale, ranging from 1 (not at all true of me) to 7 (very true of me).
- Social support was measured by a single item in the questionnaire. The question asks an individual: “Who are you staying with during the pandemic? (1) alone (2) with friends (3) with family?”. The scoring ranges from 0 (staying alone) to 2 (staying with family).
- Mental health (dependent variable) was measured by Job-related Affective Well-being Scale (JAWS). This scale is developed by Katwyk et al. (1999). It is a 20-item, 5-point Likert scale. The scoring ranges from 0 (Never) to 5 (Extremely Often). It captures positive and negative job-related emotions for a period of past 30 days.
- Demographic variables like age, gender, educational qualification, and marital status were also recorded.

Statistical analysis

- Sample Characteristics: 400 responses were collected, out of which 307 responses were used for the statistical analysis. The incomplete and irrelevant responses were eliminated to arrive at the final number of 307 responses. The sample constituted of 195 males and 112 females. The age range of respondents was between 24 years and 50 years. 62% of the respondents recorded their marital status as married.
- Method of data collection: One time cross-sectional data survey was conducted. Questionnaire was floated online for a period of 1 month from 28 February 2020–30 March 2020. Doubts regarding the questionnaire or the process were addressed through email. Ethical protocols were followed while data survey and collection. Consent of respondents was taken, and they could back out from the survey at any point they felt link. The data were collected geographically from public sector organizations of states such as Chhattisgarh, Madhya Pradesh, and Gujarat from India. Non-probability sampling technique was used for the survey.
- Statistical Tools: Linear regression and hierarchical regression were used as tools for statistical analysis. SPSS 16 software version was used for the analysis. The results of linear regression displayed that social support was comparatively less significant and less correlated than other variables and hence was omitted from further analysis. Based on the correlation of various independent variables with the dependent variable, COVID fatigue (OCS) and corona anxiety (CAS) were grouped as control variables and compassion as the predictor variable. This was done to understand the impact compassion has on mental health amidst the corona chaos.

Results

Qualitative results

Research site

Geographical segregation was done on the basis of the nationality of sample. 55.55% of the workplace compassion studies have been conducted in the USA, 18.51% in Canada, 11.11% in the UK, 7.40% in Spain, 3.7% in Australia and Egypt. From Fig. 2, it is clearly evident that, in the selected sample, not a single study has been conducted on workplace compassion in India. The results are displayed in Fig. 2 and Table 2, respectively.

Chronology as an indicator

Positive psychology was established as a field in 1998. The authors wanted to see whether there was a pattern observed after 1998. However, no such pattern was observed. Maximum studies on workplace compassion globally have been conducted in the year 2006, 2011, and 2016. The percentages are 11.11% in 2006 and 14.81% in 2011 and 2016. The results are displayed in Table 2.

Research-type indicator

Conceptual studies include theoretical framework and analysis, empirical studies include statistical and empirical analysis, and review studies include review
and analysis of multiple studies to derive patterns or insights. 55.55% of compassion studies are conceptual, 33.33% compassion studies are empirical, and 11.11% studies are review studies. The results are displayed in Fig. 3 and Table 2, respectively.

Quantitative results

Quantitative results can be studied under two parts: the results obtained by linear regression (primary analysis) and hierarchical regression (secondary analysis).

Linear regression

SPSS 16 was used to run linear regression. Linear regression was run on all the independent variables to understand the effect on dependent variable of mental health. The obtained correlation coefficients are displayed in Table 3.

From the above correlation matrix, it is very clear that corona anxiety (CAS) is the most correlated with mental health, followed by COVID fatigue (CF) and compassion (COMP), whereas social support (SS) is negatively correlated with mental health. The obtained results from the linear regression analysis are displayed in Table 4.

The results indicate that 8.8% of the variance in mental health scores can be predicted from the variables COVID fatigue, corona anxiety, and social support. This is an overall measure of the strength of association and does not reflect the extent to which any particular independent variable is associated with the dependent variable. The F test explains the variance involved between the predictor and outcome variable. With significance level as small as $p < 0.001$, there is 0.1 chance of F ratio this large would happen. A variance of 8.405% is observed at this significance level. The B value explains the change in outcome resulting from a unit change in the predictor. Hence, with no trace of any independent variable, the mental health score is at 45.953. When a unit of COVID fatigue is introduced, there is a change in mental health by 0.279 or 27.9%. Again when a unit of corona anxiety is introduced, there is a change in mental health by 0.746 or 74.6%. On the introduction of a unit of compassion, there is a change in mental health by 0.262 or 26.2%. As and when a unit of social support is introduced, there is a change in mental health by $(-0.471)$ or $(-47.1\%)$. This gives us a basis for further conducting hierarchical regression. In hierarchical regression, the selection of the predictor variable and control variables is done on the basis of obtained correlation values and B values. To understand the mediating impact of compassion here, it is considered as a control variable. The impact of predictor variables such as COVID fatigue (CF), corona anxiety (CAS), and social support (SS) on mental health (MH) is observed with and without the presence of compassion (COMP) as a mediator.

Hierarchical regression

In Model 1, compassion is controlled and the impact of COVID fatigue, corona anxiety, and social support is observed on mental health. In Model 2, the impact of COVID fatigue, corona anxiety, social support is studied in the presence of compassion. This is done to understand the mediating effect of compassion on mental health. The result of hierarchical regression is shown below (Table 5).

The results indicate that when compassion is controlled, the total variance caused in mental health is 9.8%. The R square change value shows that when compassion is considered, it shows a mediating impact and the variance caused in mental health is reduced to 3.7%.
| Research Article                                                                 | Author                        | Country | Type           | Variables                                                                 |
|---------------------------------------------------------------------------------|-------------------------------|---------|----------------|--------------------------------------------------------------------------|
| Compassion: The basic social emotion                                             | Nussbaum (1996)               | USA     | Conceptual     | Compassion                                                               |
| Compassion Versus Competitiveness: An Industrial Relations Perspective on the    | Cambridge (2001)              | USA     | Conceptual     | Compassion, Competitiveness                                              |
| Impact of Globalization on the Standards of Employee Relations Ethics in the United States |                               |         |                |                                                                          |
| Self-Compassion: An Alternative Conceptualization of a Healthy Attitude Toward Oneself | Neff (2003a)                 | USA     | Conceptual     | Self-Compassion                                                          |
| The development and validation of a scale to measure self-compassion            | Neff (2003b)                 | USA     | Conceptual     | Self-Compassion                                                          |
| Compassion in Organizational Life                                               | Kanov et al. (2004)          | USA     | Conceptual     | Compassion                                                               |
| Creating compassion and connection in the workplace                             | O’Brien (2006)               | Canada  | Conceptual     | Compassion, Compassion Organizing                                        |
| Explaining Compassion Organizing                                                 | Dutton (2006)                | USA     | Conceptual     | Compassion Organizing                                                   |
| Compassion Fatigue, Compassion Satisfaction, and Burnout: Reactions Among Employee Assistance Professionals Providing Workplace Crisis Intervention and Disaster Management Services | Jacobson (2006)              | USA     | Empirical      | Compassion Fatigue, Compassion Satisfaction, Burnout                     |
| Compassion Fatigue, Compassion Satisfaction, and Burnout: Factors Impacting a Professional’s Quality of Life | Sprang et al. (2007)         | USA     | Empirical      | Compassion Fatigue, Compassion Satisfaction, Burnout                     |
| Compassionate communication at the workplace: Explaining processes of noticing, connecting, and responding | Miller (2007)                | USA     | Conceptual     | Compassionate Communication                                             |
| Compassion and Beyond                                                            | Crisp (2008)                 | UK      | Conceptual     | Compassion                                                               |
| The contours and consequences of compassion at work                              | Lilius et al. (2008)         | Canada  | Empirical      | Compassion                                                               |
| Grief and compassion in the workplace                                           | Manis and Little (2011)      | USA     | Conceptual     | Grief, Compassion                                                        |
| Self-Compassion, Self-Esteem, and Well-Being                                    | Kristin Neff (2011)          | USA     | Conceptual     | Self-Compassion, Self-Esteem and Well-Being                              |
| Understanding compassion capability                                              | Lilius et al. (2011)         | Canada  | Conceptual     | Compassion Capability                                                    |
| Compassion in the landscape of suffering                                         | Feldman and Kuyken (2011)    | UK      | Conceptual     | Compassion, Suffering                                                    |
| Compassion Revealed                                                              | Lilius et al. (2011)         | Canada  | Conceptual     | Compassion                                                               |
| Emergent organizational capacity for compassion                                  | Madden et al. (2012)         | USA     | Conceptual     | Compassion, Organizational Capacity                                      |
| Understanding individual compassion in organizations: The role of appraisals and psychological flexibility | Atkins and Parker (2012)     | Australia | Review      | Compassion, Appraisals, Psychological Flexibility                        |
| Compassion at work                                                               | Dutton et al. (2014)         | USA     | Review         | Compassion                                                               |
| The Compassionate Sexist? How Benevolent Sexism Promotes and Undermines Gender Equality in the Workplace | Ivona and Lance (2016)       | Canada  | Empirical      | Compassion, Gender Equality                                              |
| What is compassion and how can we measure it? A review of definitions and measures | Strauss et al. (2016)        | UK      | Review         | Compassion                                                               |
|                                                                                | Kanov et al. (2017)          | USA     | Conceptual     | Compassion, Uncertainty                                                  |
Discussion

The current study explains the relationship between COVID fatigue, corona anxiety, compassion, social support, and mental health in a country with cultural and social stigma toward mental health (Majumdar et al. 2020). The study explored the potential mediation of compassion in the equation. The results
indicate that a unit change in the dependent variables of COVID fatigue, corona anxiety, and social support can have an impact of 9.7% on the mental health quotient. A unit of compassion solely can mediate the equation and bring down the impact to 3.7%. In this study, 61.1% of participants were found out to be psychologically fatigued. The statistics raise serious concerns. The long-term psychological consequences of this fatigue are still unclear (Townsend et al. 2021).

In the past one year, many studies have indicated toward declining level of motivation at workplaces as a major concern (Newman 2021; Sasangohar et al. 2021). It is important to understand that it is not just the crisis that might impact the workplaces, but also the aftermath of it. The COVID survived workplaces will not just have to deal with the extrinsic factors such as the changing nature of role and responsibilities, but also intrinsic factors such as employee mental health and well-being quotient (Wostyn 2021). It is important to understand that it is not just the crisis that might impact the workplaces, but also the aftermath of it. The COVID survived workplaces will not just have to deal with the extrinsic factors such as the changing nature of role and responsibilities, but also intrinsic factors such as employee mental health and well-being quotient (Wostyn 2021).

Conclusions and limitations
This study makes an early attempt to explore the mediating role of compassion between COVID fatigue, corona anxiety, social support, and mental health. The empirical findings support the qualitative results stating that compassion mediates the equation. It has a significant impact on employee mental health quotient. However, this study has certain limitations, all of which lead toward future directions of research. The study has been conducted among public sector employees. For establishing the results, it can be tested in private sector organizations among varied sectors.

Managerial implications
The findings of the study provide substantial insights for researchers and management scholars, professionals, and organizational leaders. This study is one of its kind and among one of the earliest attempts to understand, conceptualize, and empirically establish workplace compassion as a substantial mediating variable in the futuristic post-COVID workplaces. One can foresee the long-term aftermath of this pandemic on the employee mental health (Nardi and Cosci 2021). The challenge to deal with the changing work structures is acting as a stressor for employee mental health (Li et al. 2021; Elraz 2017). Conceptually, this paper systematically reviews the literary work done in field of workplace compassion and
mental health to understand the existing knowledge gaps in the literature. Compassion studies have shifted their focus from a human relations concept toward discourse and crisis management in the past few years. In such a scenario, this study will help researchers and practitioners understand, theoretically and empirically, the role of workplace compassion as a mediator toward the equation between COVID fatigue and employee mental health. Further, the empirical data can be collected at different phases of the pandemic, and post-pandemic to delve deeper into various facets of workplace compassion and their statistical significance. This research can serve as a foundation toward development and validation of a COVID fatigue scale. This research could lead the way for further substantial empirical research to combat the challenges to be faced by post-COVID workplaces.

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Declarations

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