Thought Question: Does it matter what passion looks like in teaching related to teacher well-being?

**Research Article:**
Harmonious Passion and its Relationship with Teacher Well-being.
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**Research Brief:**
Teacher well-being can be positively or negatively influenced depending on the type of passion a teacher exhibits. Passion (as defined here), “a strong inclination towards a self-defining activity/object that one likes/loves” is identified as either harmonious passion (HP) or obsessive passion (OP). HP involves an activity that is loved and voluntarily becomes part of a teacher’s identity, while OP plays out as an obligatory and involuntary response-usually to avoid something such as judgement, guilt, negative consequences, etc. Teachers who engage in HP experience a “flow” during the enjoyed activity, while those engaged in OP feel stuck, robbing them of the same “flow” experience, thus creating the circumstances for negative well-being to take shape.

**So, what are the implications for education?**
If teachers are engaged in OP while teaching or participating in school-related tasks, what are the outcomes the ramifications? What is the impact on students, colleagues, themselves, relationships, learning experiences, and learning environments?

- OP “narrows cognition and motivation” while HP “expands the cognitive processes and motivational resources”
- HP is linked with “positive affect, life satisfaction, subjective vitality and reduced depression and anxiety” while OP leads to “distress, lack of relationships with positive indexes, depression, and anxiety”
- Student behavior can be positively influenced by both kinds of passion, which might make OP less recognizable until negative consequences begin to emerge
- HP is positively correlated with job satisfaction, while OP is a determinant for teacher burn-out
- HP can prevent and reduce teacher stress

**Keywords:** teacher stress, burn-out, passion, job satisfaction, teacher depression, teacher anxiety

Enjoy the article! And remember... the kind of passion exhibited can impact teacher well-being.

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Harmonious passion and its relationship with teacher well-being

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HIGHLIGHTS
• Measured harmonious (HP) and obsessive (OP) passion in teachers.
• HP but not OP related with well-being dimensions.
• HP is affected by job satisfaction, positive affect, and self-efficacy.
• Primary school teachers are more passionate.

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ABSTRACT
This research examined the relationships between passion for teaching and teachers’ well-being distinguishing between Harmonious Passion (HP), characterized by free acceptance of the activity in one’s identity, and Obsessive Passion (OP), moved by perceived obligation. 379 primary, middle, and high school teachers participated. They filled in questionnaires to assess HP, OP, job satisfaction, teaching praxes, positive and negative affect, subjective happiness, and self-efficacy twice at a 3-months interval. HP related to all the adaptive aspects measured. HP at Time 2 was affected by job satisfaction, positive affect, and self-efficacy at Time 1. Suggestions for improving teachers’ well-being are provided.

1. Introduction
There is a growing interest in teachers well-being and its correlates. Well-being has been found to relate with engagement (e.g., Parker, Martin, Colmar, & Liem, 2012), and extra work (Kurland & Hasson-Gilad, 2015), to reduce burn-out (e.g., Skaalvik & Skaalvik, 2010), and to foster teachers’ emotion regulation (e.g., Cheung & Lun, 2015; Taxer & Frenzel, 2015) with positive effects for both teachers and their students (Tennant et al., 2015). Whereas some contextual variables can play a role (e.g., Mansfield, Beltman, Price, & McConney, 2012), the results from large scale investigations such as the Teaching and Learning International Survey (OECD, 2014) suggest that mainly psychological individual factors matter.

Among them, recently, Renshaw, Long, and Cook (2015) stressed the importance of positive indicators of teachers well-being focused on happiness, growth, and health, following a positive psychology perspective (Diener, 2000). The most studied are job satisfaction (e.g., Mattern & Bauer, 2014; Yildirim, 2015), and those proposed by the van Horn, Taris, Schaufeli, and Schreurs (2004) occupational well-being theory: affective, professional, social, cognitive and psychosomatic dimensions such as positive affect, and self-efficacy. In addition some studies (e.g., Chan, 2009, 2013; Forest et al., 2012) found that also some emotional and cognitive strengths such as hope, zest, gratitude, and forgiveness relate with dimensions of subjective well-being.

This research will consider an underexplored factor: passion for teaching either harmonious or obsessive, following the model proposed by Vallerand et al. (2003), below described. The rationale behind is that – being harmonious passion a motivational strength linked with many positive aspects – it will empower teachers and foster their well-being. These relationships will be examined in this study by considering a range of aspects, beyond job satisfaction, namely positive and negative affect, teaching praxes, subjective happiness, and self-efficacy, and assessing them twice, at a 3-months interval, so that to ascertain which factors most affect.
1.3. Passion for teaching

Passion has been considered “essential to all good teaching” (Day, 2004, p. 11), because it is a motivational force which could favor teachers well-being and which affect students motivation (Patrick, Hisley, Kempler, & College, 2000), enjoyment (Frenzel, Goetz, Lüdtke, Pekrun, & Sutton 2009), and achievement (Moë, 2016). Nevertheless, little research has been devoted to consider passion for teaching (Carbonneau, Vallerand, Fernet, & Guay, 2008; Fernet, Lavigne, Vallerand, & Austin, 2014; Lavigne, Forest, Fernet, & Crevier-Braud, 2014; Trépanier, Fernet, Austin, Forest, & Vallerand, 2013). Carbonneau et al. (2008) examined job satisfaction, positive student behavior, and burn-out in primary, high school and adult education teachers. Both kinds of passion were found to relate to positive student behavior, but only HP related positively with job satisfaction and negatively with burn-out. Trepanier et al. (2013) found that in both teachers and nurses HP partially mediated the relationships between job demand/resources and burnout/work engagement. Lavigne et al. (2014) found that HP led to positive evaluations of job support, and control, while OP led to perception of work overload in primary, high school and adult education teachers. Fernet et al. (2014) outlined the importance of job autonomy in predicting HP and OP (negatively), which in turns, reduces work related stress and burn-out. All these studies focused mainly on job related factors; job satisfaction, job resources, job support, and job autonomy showing that HP is a protective factor, because it enhances well-being and reduces work related stress and burn-out (Skaalvik & Skaalvik, 2009). However, relationships with other aspects linked with teachers well-being and teaching deserve to be studied.

The first aspect is affect — either positive (e.g., interest, excitement) or negative (e.g. anger, sadness) — which has a central role in shaping teachers adjustment to school challenges (Hargreaves, 1998), and which is a core component of hedonic well-being (Diener, 2000). The second aspect is the teachers’ self-reported use of praxes related to teaching and motivating students such as ‘Review topics to be covered in the following oral tests or written essays with the students’ and ‘Encourage students who fail’. Moë, Pazzaglia and Ronconi (2010) have demonstrated positive relationships between this variable and some well-being indicators: positive affect, job satisfaction, and self-efficacy. The third aspect is subjective happiness — self-rated in comparison with other people — which is a central aspect of well-being (Lyubomirsky, Sheldon, & Schkade, 2005). The forth aspect is teachers’ self-efficacy defined as situation-specific confidence in being able to teach, manage the classroom, support students needs, and help them to learn, achieve, and motivate (Bandura, 1997), which is one of the major sources of motivation and commitment in all aspects of teaching (Tschannen-Moran, Woolfolk Hoy, & Hoy, 1998).

To the best of our knowledge, until now, the relationships between teachers’ passion and self-efficacy, subjective happiness, positive and negative affect, and teacher praxes have never been assessed. Harmonious passion is an energizing factor which should be linked with well-being (positive affect, reduced negative affect, and subjective happiness), and teachers’ adoption of a wide variety of teaching praxes and self-efficacy in face of challenges. So it is predicted that HP, but not OP will relate with all the positive aspects considered, while negative relations are expected with negative affect, which should relate with OP, a result found mainly in the sport realm. Then it is predicted, considering HP and OP measured 3–months later, that job satisfaction, positive affect, self-efficacy, subjective happiness, and teaching praxes are all factors which affect HP, but not OP. Finally differences among primary, middle, and high school teachers will be examined. Given that this is the first time that the relationships between passion and a large number of facets of well-being are examined in teachers a
2. Method

2.1. Participants

A convenience sample of three hundred and seventy-nine teachers from 11 Italian schools participated on a voluntary basis. They were teaching in primary (4 schools, n = 139, 36% of whole sample, n = 114 women), middle (3 schools, n = 97, 26%, n = 55 women) and high schools (4 schools, n = 143, 38%, n = 79 women). Their age ranged from 25 to 64 (M = 45.07 yrs, SD = 8.87). Their mean number of years of teaching was 18.86, SD = 10.38, ranging from 1 to 40. The subjects taught varied: first and second languages, mathematics, history, science, chemistry, visual arts, geography, music, technological applications, religion, and physical education. Of the original sample of 379 teachers, 218 took part in the second data collection 3 months later. The response rate was 58%. Seventy-five (36%, n = 61 women) were teaching in primary, 59 (29%, n = 30 women) in middle, and 73 (35%, n = 35 women) in high schools. One teacher did not state type of school and gender. The scores obtained by the participants who completed the questionnaires at both the measurement points did not differ from those of the teachers who participated only at the first submission, except for subjective happiness, t(328) = 2.67, p = 0.008 (both measurement points M = 5.24, SD = 1.07; just the first compilation M = 4.93 SD = 1.03).

2.2. Instruments and procedure

After having obtained the permission from the school heads, all the teachers of agreeing schools were contacted. The following questionnaires were delivered in the order given, and collected in the schools by the same researcher who stayed there and gave help, if required. Teachers were reassured that the responses were anonymous. No time limit was set. The booklet was completed in about 30 min.

2.2.1. Passion scale adapted for teaching

The instrument proposed by Carbonneau et al. (2008) was translated into Italian and then back-translated to check for accuracy of translation. It contains 16 items. Four items assessed Passion, following its definition: value given to the activity, amount of time devoted to it, and pleasure deriving from it (example item, ‘I like my job as a teacher’). Cronbach’s alphas were 0.76 at Time 1 (T1), and 0.82 at Time 2 (T2). Then, a mean score of Passion was obtained by summing the four ratings and dividing by four.

The following 12 items measured the two kinds of passion: HP (example, ‘My job as a teacher is in harmony with the other activities in my life’) and OP (example, ‘I have almost an obsessive feeling for my job as a teacher’). Respondents were asked to rate each on a 7-point Likert-type scale ranging from ‘1’ (do not agree at all) to ‘7’ (very strongly agree). A Confirmatory Factor Analysis (CFA) was run to verify the two-factor solution of the Passion Scale, considering the whole sample at T1. Six items were considered as indicators of HP, six of OP, following the key reported by Carbonneau et al. (2008). An initial analysis showed that two items (“My job as a teacher reflects the qualities I like about myself” and “I have the impression that my job as a teacher controls me”) saturated less than 0.30, respectively 0.23 and 0.25, and were not considered further.

In addition, the following correlations were made free, in order to increase the model fit: item 5 (“My job as a teacher is in harmony with the other activities in my life”) with 12 (“My job as a teacher is well integrated in my life”), r = 0.15, item 6 (“I have difficulties controlling my urge to do my job as a teacher”) with 8 (“I have almost an obsessive feeling for my job as a teacher”), r = 0.20, item 6 with 15 (“My job as a teacher is so exciting that I sometimes lose control over it”), r = 0.28, and item 10 (“My job as a teacher allows me to live a variety of experiences”) with 15, r = 0.16. The values obtained on the 10 items passion scale were RMSEA = 0.09 (CI 0.08–0.11), CFI = 0.94, GFI = 0.93, NFI = 0.92, NNFI = 0.90. For RMSEA, a value of 0.06 or less reflects a good fit, and of 0.09 or less an acceptable fit (Hu & Bentler, 1999). For CFI, GFI, NFI and NNFI, values of 0.90 or greater are considered acceptable, and 0.95 or higher as indicating a good fit to the data. Considering all the indexes, the fit was acceptable.

Hence, two scores were computed: HP, by summing items 5, 7, 10, 12 and 14, and dividing by 5, Cronbach alphas 0.72 and 0.77 (respectively at T1 and T2), and OP, by summing items 6, 8, 11, 13 and 15, and dividing by 5, Cronbach alphas 0.79 and 0.81 (respectively at T1 and T2). These values were close to those found by Carbonneau et al. (2008), ranging from 0.76 to 0.87. Test retest correlations were 0.67 and 0.65 respectively for HP and OP.

2.2.2. Job satisfaction scale

Among the various instruments developed to measure job satisfaction in teachers, e.g., the Job Descriptive Index of Smith, Kendall, & Hulin, 1969, and the Work Satisfaction Scale of Hackman & Oldham, 1975), we decided to use the Job Satisfaction Scale (Moë et al., 2010), a revised version of the SWLS (Diener, Emmons, Larsen, & Griffin, 1985) already used with teachers and obtained by replacing ‘life’ with ‘job’. It provides a global evaluation pertaining to specific aspects maybe linked with facilities or specific contextual factors, but referred to the closeness between the actual and the ideal self (Diener et al., 1985), that is the teacher one perceives to be and the ideal teacher. The scale is composed of five items (example ‘I am satisfied with my job’) to be answered along a 7-point Likert-type scale, ranging from ‘1’ = ‘strongly disagree’ and ‘7’ = ‘strongly agree’. Scores were computed by summing the five ratings given and dividing by 5. Cronbach alphas for this sample were 0.73 at T1 and 0.83 at T2, close to those of the validation: 0.84.

2.2.3. Teaching praxies

The Praxis scale (Moë et al., 2010) was used. It lists 25 good praxies (example items ‘Create links with topics already explained when introducing a new one’, ‘Review topics to be covered in the following oral tests or written essays with the students’), which refer to many aspects of teaching irrespective of the subject taught. The underlying construct is how much teachers self-report to adopt a wide range of strategies. A higher score mean greater use of different strategies, maybe in a flexible way depending on topics covered, students understanding, aims (e.g., introducing a new topic or reviewing it before an essay). The large the variety of praxes adopted the better the teaching. Respondents were asked to rate how frequently they used each praxis on a 5-point scale, ranging from ‘1’ = ‘almost never’ to ‘5’ = ‘almost always’. Scores were computed by summing the 25 ratings given and dividing by 25. Cronbach alphas for this sample were 0.80 at T1 and 0.83 at T2, the same of the validation.

2.2.4. Positive affect negative affect scale (PANAS)

The Italian validation (Terracciano, McCrae, & Costa, 2003) of the PANAS scale devised by Watson, Clark, and Tellegen (1988) was used to assess the two independent dimensions of Positive Affect and Negative Affect. Respondents were asked to rate on a 5-point Likert-type scale how they felt now each of the listed affective states, from very slightly to very much. Ten items were labels of positive affect (e.g., excited, enthusiastic) and the other 10 of
negative affect (e.g., afraid, upset). Two scores were computed: positive affect (sum of 10 positive affect items divided by 10) and negative affect (sum of 10 negative affect items divided by 10). Cronbach’s alphas for this sample were: positive affect 0.80 (T1) and 0.83 (T2), negative affect 0.84 (T1) and 0.86 (T2).

2.2.5. Subjective happiness scale

The scale devised by Lyubomirsky and Lepper (1999) was translated into Italian and then back-translated to check translation accuracy. It contains 4 items (example ‘in general, I consider myself a very happy person’) assessing happiness to be rated on a 7-point Likert-type scale from ‘1 = not at all’ to ‘7 = a great deal’. Scores were computed by summing the four ratings given and dividing by four, after having reversed the score of one item reverse coded. Cronbach alphas were 0.72 at T1 and 0.79 at T2, close to those reported by Lyubomirsky and Lepper (1999), from 0.79 to 0.94, depending on sample considered.

2.2.6. Self-efficacy scale

The Italian version (Moë et al., 2010) of the Ohio State Teacher Efficacy Scale (OSTES: Tschannen-Moran & Woolfolk Hoy, 2001) was adopted. Teachers were asked to indicate how capable they felt in adequately managing each of the 24 typical challenging teaching experiences pertaining to (a) instructional strategies (example item ‘To what extent can you use a variety of assessment strategies?’, (b) classroom management (example item ‘How much can you do to calm a student who is disruptive or noisy?’), and (c) student engagement (example item ‘How much can you do to help your students think critically?’) on a 9-point Likert-type scale, ranging from ‘1 = not able to manage at all’ to ‘9 = fully able to manage’. Tschannen-Moran and Woolfolk Hoy (2001) found that a one-factor solution explained more variance than a three-factor. The same result was obtained in an Italian sample (Moë et al., 2010), so that here a single score was computed by summing the 24 ratings given by participants and dividing by 24. Cronbach alphas were 0.96 and 0.97 respectively at T1 and T2, even higher than those found by Tschannen-Moran and Woolfolk Hoy (2001), and Moë et al. (2010), respectively 0.94 and 0.90.

A final page asked for details of teachers’ age, years of teaching, gender, type of school, subject taught, and, at T1, reminded them about the second part of the study. A short debriefing was also given, together with the researchers’ thanks to participants.

About half the teachers (58%) were tested first in March then in June, the others first in June than in September.

3. Results

3.1. Relationships among variables and descriptive statistics

Means, standard deviations and correlations among variables at T1 were calculated. All the adaptive aspects, namely job satisfaction, positive affect, teaching praxes, subjective happiness, and self-efficacy related each other (0.15 < r < 0.50, p < 0.01). Negative affect correlated negatively with job satisfaction (r = −0.17, p < 0.01) and with subjective happiness (r = −0.27, p < 0.001). HP and OP were correlated with each other, r = 0.24, p < 0.001. Hence, intercorrelations with job satisfaction, positive and negative affect, teaching praxes, subjective happiness and self-efficacy were calculated first, considering HP and partialing out OP, and then considering OP and partialing out HP. Table 1 lists the partial correlations involving HP and OP, together with descriptive statistics and Z-scores.

The same relationships were calculated separately for the three levels of primary, middle, and high school teachers. It emerged that all the variables related with HP in the expected direction in the three sub-groups except ‘teaching praxes’ which did not relate with HP in middle school teachers. OP did not relate with subjective happiness in any of the sub-groups, positive affect related with OP only for primary school teachers, negative affect for all the sub-groups.

The hypothesis that HP but not OP was associated with adaptive outcomes was confirmed. In fact, OP related only once to an adaptive outcome, i.e., positive affect, but this relationship was significantly lower than that with HP (Z = 2.01, p = 0.022), and significant only for the sub-group of primary school teachers. OP also related negatively with one adaptive outcome, subjective happiness, and positively with negative affect. In contrast, HP related to all five adaptive aspects (job satisfaction, teaching praxes, positive affect, subjective happiness, self-efficacy) and negatively with negative affect. In addition, the Z scores confirmed that all correlations involving HP differed from the significant ones involving OP.

3.2. Predictors of harmonious and obsessive passion

Two hierarchical regression analyses were conducted having HP and OP at T2 as dependent variables. First HP and OP were considered among the predictors. They explained respectively 45% and 41% of the variance and no other predictor increased the variance explained. This is not surprising, in the three months the two measures are linked as the test-retest shows (see section Instrument and Procedure). So a new series of hierarchical regression analysis was run without the predictors HP and OP.

The predictors were entered in the hierarchical regression analysis in the following order: job satisfaction, positive affect, self-efficacy, subjective happiness, and teaching praxes. Job satisfaction was entered the first, because previous studies showed that it related with HP in teachers. As shown in Table 2, it explained 18% of the variance. The second was positive affect, because relationships with HP have been demonstrated in previous researches, but never with teachers. The results showed 4% additional variance explained. Then the other three factors never considered in previous studies assessing the relationships between HP and well-being were added. Self-efficacy proven to be a significant predictor and overall the variance explained was 26%. All the models were significant with Fs > 12.30, and p < 0.001. This confirms that job satisfaction, positive affect, and self-efficacy are significant predictors, but also points to the fact that other unexplored factors matter and that neither subjective happiness nor teaching praxes are significant predictors of HP. The same hierarchical regression analysis was run having OP as dependent variable, but none of the considered relationships turned out to be significant.

3.3. Differences due to demographic characteristics

Nine one-way ANOVAs were conducted on Passion, HP, OP, job
satisfaction, teaching praxes, positive and negative affect, subjective happiness, and self-efficacy comparing the means of primary, middle, and high school teachers. Primary school teachers adopted more teaching praxes ($M = 4.26$) and had higher negative affect scores ($M = 1.55$) than middle (praxes $M = 4.17$; negative affect $M = 1.45$) and high school teachers (praxes $M = 4.07$; negative affect $M = 1.37$), $F(2, 335) = 9.19, p < 0.001$ and $F(2, 344) = 3.65, p = 0.027$ respectively for teaching praxes and negative affect. No significant difference was found either for HP or OP. Nine Student t-tests explored gender differences. After Bonferroni correction, it emerged that women ($M = 4.20$) adopted more teaching praxes than men ($M = 4.10$), t(334) = 2.46, $p = 0.014$, and were more passionate (women $M = 6.12$, men $M = 5.94$), t(375) = 2.18, $p = 0.030$. Age and years of teaching were highly correlated ($r = 0.85$ $p < 0.001$). None of them correlated with Passion, HP, or OP.

4. Discussion

Previous research outlined that HP, but not OP is related with positive outcomes in a range of populations (e.g., Carpentier et al., 2012; Philippe et al., 2009; Vallerand et al., 2003, 2008), and with job satisfaction, and other job related issues in teachers (Carbonneau et al., 2008; Fernet et al., 2014; Lavigne et al., 2014; Trépanier et al., 2013). However relationships with others positive indicators were not examined, notwithstanding their importance for teachers' well-being (Renshaw et al., 2015).

This research examined a wide range of factors which may be linked with passion for teaching, some of them never previously explored, in particular job satisfaction, positive and negative affect, teaching praxes, subjective happiness, and self-efficacy for teaching. The main aim was to extend existing research on passion by confirming the distinction between HP and OP in teachers and to identify aspects linked with HP but not OP. The second aim was to assess the predictors of HP and OP after a 3-month delay. The third was to examine differences due to demographic variables.

4.1. Overview of the results

The results obtained here confirm and extend previous ones about relationships and predictors of HP and OP in teachers. First, HP but not OP relates with job satisfaction, positive affect, subjective happiness, teaching praxes, self-efficacy and negatively with negative affect. This outline the adaptive value of HP compared with OP. Acting out of OP did not relate with job satisfaction, self-efficacy or teaching praxes, but was accompanied by an increase in negative affect and a decrease in subjective happiness. This means that devoting time and resources out of HP is a fruitful effort, while acting out of OP is not. There was just one relationships of OP with a positive outcome: positive affect. While lower than that of HP with positive affect, it was significant, and probably due to the excitement deriving from the activity, teaching in this study, as suggested by Vallerand (2008). However, it must be noted that this positive relationship between OP and positive affect did not apply for middle and high school teachers, but only for primary school teachers. This suggest caution in interpreting it. Primary school teachers differed from both middle and high school teachers in teaching praxes, negative affect, and in some relationships, so that the conclusion is that positive affect related with HP and that only for one sub-group there was a positive, but smaller, relationship also with OP. Then it was found that the best predictors of HP and OP at T2 are HP and OP at T1, but also that job satisfaction, positive affect, and self-efficacy play a role.

4.2. Theoretical implications: passion for teaching and well-being

First, the distinction between HP and OP was confirmed. HP but not OP related to the positive outcomes examined in this sample of teachers. In addition, it has been showed, for the first time, that HP in teaching is linked not only to job satisfaction, perceived job support, and reduced burn-out as shown in previous studies (Carbonneau et al., 2008; Fernet et al., 2014; Lavigne et al., 2014; Trépanier et al., 2013), but also to positive affect, self-efficacy, subjective happiness, and teaching praxes. Secondly, HP and OP tended to maintain stable at least in the three-month span here considered. Teachers who are passionate are motivated to engage more and more with teaching, and if the passion is harmonious they derive positive affect, job satisfaction, self-efficacy, subjective happiness and a high use of a variety of teaching praxes. On the opposite if the passion is obsessive they increase their negative affect and do not derive wellbeing by their passion. Third, the vast majority of teachers turned out to have at least a medium level of passion, and they experienced more HP than OP, while there is no difference due to age, gender, and years of teaching. This result confirms and extends that of Carbonneau et al. (2008), showing that teaching is indeed a passionate activity for a large number of teachers. In addition, differences due to demographic variables were found here.

These results suggest that HP can be included among the factors which could prevent teachers’ stress together with cognitive, behavioral, and emotional coping strategies, appraisal of external stressful events, and positive emotional responses (for a review see Montgomery & Rupp, 2005). In fact passion, in particular HP, is one of these emotional responses linked with job and life satisfaction which affect work commitment rather than avoidant responses, negative thinking, negative affect, and resignation, which are instead linked with OP.

The mean scores obtained with this Italian sample in both passion ($HP = 5.23$ and $OP = 3.57$) and well-being dimensions (job satisfaction, positive and negative affect were 4.69, 2.99, 1.47) are close to those found in studies in other countries: 4.92, 2.65, 4.44, 3.50, and 2.55 respectively for HP, OP, job satisfaction, positive and negative affect (Carbonneau et al., 2008; Chan, 2013). Moreover, the significant relationships among variables are the same. This confirms that the cultural context where the study was run is similar to those of other studies and suggests that the implications could be applied also in other countries.

4.3. Practical implications: fostering teachers’ well-being and passion

Having assessed that three well-being factors (job satisfaction,
positive affect, and self-efficacy) are those most related with pas-
sion could help devising future intervention studies, for both initial
and in-service teachers, whose effectiveness has been demon-
strated in previous researches targeting mainly at reducing stress
(e.g., Parker et al., 2012). Here the focus will be at well-being di-
ensions, such as positive affect, job satisfaction, and self-efficacy,
which should be enhanced in order to favor HP.

Previous studies have shown that autonomy support favor HP
(Mageau et al., 2009). The more an activity is chosen, valued, and
close to the person identity, the higher the passion, mainly
harmonious. In this process, autonomy support and personality
factors play a critical role (Philippe & Vallerand, 2008). The more
the competence, autonomy and relatedness needs of a person are
supported (e.g., Mageau et al., 2009), and the more he/she has an
autonomous orientation (Guay, Mageau, & Vallerand, 2003) the
higher the probability to develop HP.

Here it has been found that some other aspects (probably linked
to an autonomy supportive climate), namely job satisfaction, pos-
itive affect, and self-efficacy act on HP. This is an interesting result
for scholars and practitioners wishing to promote teachers’ positive
attitudes and well-being. It is advisable, in order to increase pas-
tion, to act on one or more of the adaptive aspects to which it is
related, maybe using an experimental approach with treated and no-treated teachers. This effect has been demonstrated in previous studies (e.g., Siu, Cooper, & Phillips, 2014).

Thus, the quality rather than the length of the intervention
should be considered. In particular, with beginners teachers it has
been shown that a constructivist rather than a transmissive
learning approach is the most effective in fostering teachers’ effi-
cacy, satisfaction, and enthusiasm (Richter et al., 2013). This suggest
that also in increasing the well-being dimensions and hence HP the
same perspective should be adopted.

4.4. Limitations

First, this was a correlational study. Future research is needed to
assess what happens when one or more of the aspects proven to be
related with HP are acted upon. For instance, future research is
needed to better understand the characteristics of a training aimed
at improving passion. Secondly, all assessment instruments were
self-reporting. To declare to be passionate could reflect social
desirability. Notwithstanding the questionnaires were anonymous,
this aspect could have caused over-estimation of Passion. Finally,
the sample was mostly composed of females. This is not surprising
because there are more women than men teachers in both primary,
middle, and high school. This however could be a limitation given
that women scored higher than men in two dimensions: overall
passion, but not HP or OP, and teaching praxes.

4.5. Avenues for future research

Future research could consider also observational data and/or
ratings provided by students. This may add information toward
understanding relationships, predictors and complex dynamics,
such as the relationship of teachers’ passion with students’ enjoy-
ment, motivation, and perceived instructional quality (Frenzel
et al., 2009).

The results of this study suggest that job satisfaction, positive
affect, and self-efficacy affect HP and can reduce teachers stress.
Future studies could address this point directly by acting on these
three aspects and observing an increase in HP in studies targeted
mainly to teachers having either high levels of OP or low levels of
HP so that to reduce teachers’ stress and foster their passion and
well-being.

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