PASSION-BASED TEACHING IN CLASSROOM: AN ANALYSIS USING SEM-PLS APPROACH

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Abstract

Purpose: Passion is essential for effective and high-quality teaching. A passionate teacher is one with the updated growing knowledge inspiring the students in a classroom, by making learning exciting. The objective of the study was to analyze whether the teachers were teaching out-of-field and to analyze what type of passion influences them.

Design/methodology/approach: 241 teachers working in Higher Education Institutions in Oman participate in the survey. Structural Equation Modeling was used to analyze the data.

Findings: The empirical results reveal that the teachers sometimes do out-of-field teaching. The Basic Passion qualities and Harmonious Passion qualities help to improve the Effects of Passion based learning in classroom teaching. It is also revealed that the teachers need to increase Harmonious passion rather than Obsessive passion as it might result in burnout or disengagement in the long run.

Practical Implications: The study suggested that the teachers should make emotional attachments with the students, not to criticize anyone, rather encourage them for innovation & creativity, and should allow enough time to learn by making a conducive environment.

Originality/value: The research work is of its first kind as it focuses on the impact of Passion-based teaching in the classroom using the SEM-PLS approach which has suggested means for effective teaching.

Keywords: Passion, Basic Passion Qualities, Harmonious Passion Qualities, Obsessive Passion Qualities, Effects of Passion-Based Teaching.

INTRODUCTION

A teacher while teaching is careful to see that no student is left unattended. In the traditional method of teaching, many students do not involve in the learning process. In Passion-Based Teaching (PBT), a teacher caters to the passions of the students thereby the classroom becomes lively and the students become overwhelmed and engage in learning voluntarily (Barirani, Marsh, & Olson, 2014). Passion is an inclination and willingness towards spending time and energy on an activity that someone believes that it is important (Carboneau, Vallerand, Fernet, & Guay, 2008). Passion is a motivating factor – a catalyst that makes someone to learn something new with greater importance. Passion is substantial and backs up the student towards achievement and the passionate teachers can make a positive impact on student’s achievement (Serin, 2017). Passion is essential for effective and high-quality teaching. A passionate teacher is one who is inquisitive with updating the growing knowledge, eager to explore new ideas related to the practical world, and try to inculcate in the minds of the students in the class (Fried, 2002). Passion is not an option but very much necessary for Higher Education (Day, 2004).

Teaching is not just transferring knowledge but to create possibilities of producing knowledge rather than to engage simply in a knowledge transfer game (Freire, 1998). As an occupation teaching is involved with a high level of feeling towards people, with morals and values. It mostly refers to the emotional responses of their work environment. It is the practitioners’ reactions to both their work and the settings in which it takes place, lies their close personal identification (Nias, 1996). Based on the self-determination theory, Vallerand et al. (2003) defined two different types of passion viz. Harmonious Passion, and Obsessive Passion, based on the process of internalization in relates to one’s identity. Both types of passion are independent motivational factors (Vallerand et al., 2003; Vallerand, 2010). Harmonious Passion is independent of the task undertaken but in Obsessive Passion, there exists a liking to the task. While Harmonious Passion originates from an independent internalization rooted in oneself, Obsessive Passion comes out from a controlled internalization that comes to control the person (Deci & Ryan, 2000; Ryan & Deci, 2003; Vallerand, 2012). Harmonious Passion comes from an independent internalization allowing the people to freely engage in an activity whereas Obsessive Passion emanates from a controlled internalization making the people feel an irresistible urge towards an activity (Bonneville-Roussy, Lavigne, & Vallerand, 2011; Bonneville-Roussy, Vallerand, & Bouffard, 2013; Luh & Lu, 2012).

According to the theory of passion (Vallerand et al., 2003), harmoniously passionate teaching involves a controllable role in the teacher’s identity coherent with the teacher’s life allowing him/her to concentrate on the teaching tasks without any
distraction while obsessive passionate teaching controls one’s teaching tasks because teaching becomes out of teacher’s control and occupies other tasks of teacher’s life.

University teaching is an intellectual activity that requires specialized skills and extensive disciplinary knowledge (Devlin & Samarawickrema, 2010). Of late, the pressure is increasing towards effective teaching while out-of-field teaching also co-exists. Teaching out-of-field is a term used while a teacher teaches a subject which is not his/her specialization and is becoming a common practice (Hobbs, 2013). However, there are certain Basic Passion qualities. Good teachers develop such qualities irrespective of whether they are teaching out-of-field, finding their own ways through making things more interesting to their students. Definitely, it needs more hard work, patience, and involvement. The best teachers make learning interesting, attention-grabbing, thrilling and thought-provoking. These teachers indoctrinate the basic passion qualities within themselves. Teachers with such passionate qualities enthuse students through their inspiration, Statement of the Problem.

Many teachers in Higher Education Institutions (HEIs) in Oman are teaching subjects that they do not like. Passion cannot be faked but the reality is that many teachers are forced to teach out-of-field (Thompson, 2007). It does not mean the courses have to be a failure though. Specialization maximizes productivity. Specialized teachers will be able to hone their skills, with less transition time performing their duty efficiently (McDougald, 2016).

About 37 percent of teachers in the beginning period of teaching are in out-of-field roles compared to 25 percent of experienced teaching, indicates that younger teachers are highly affected (Singhal, 2017). Cruz et al. (2017) claimed that there are many teachers teaching out-of-field still able to render sufficient knowledge to the students. In fact, the practice of out-of-field teaching leads to a negative impact on students learning (McConney & Price, 2009).

Kreber (2002) suggested that quality teaching requires expertise in a discipline. As Hiebert, Gallimore, and Stigler (2002) pointed out there is a need for the continuous growth of knowledge to improve classroom teaching and every higher education institution in Oman is striving for that. The passionate teachers inspire students particularly in the classroom, by making learning excited which makes the students inclined towards learning easily. This triggers the need to analyze the passion and its components behind the teachers’ attitudes towards teaching methodology and psychology in a classroom. Thus, the purpose of the study was to analyze whether the teachers were teaching out-of-field or not, and to analyze to what extent, what type of passion influences them.

REVIEW OF LITERATURE

Teacher quality is a key variable in student experience and school achievement. Freedom, imagination, passion, and the power to act are due to passionate teaching (Greene, 1986). Acquiring new knowledge, and putting on an effort by spending more time are the essentials for passionate teaching (Lang, 2010). Passion may cause stress among the young beginner teachers as work-life imbalance might occur (Kim, 2013). Passion overpowers the identities of people to the extent that they become obsessive (Vallerand, 2015). There are five basic qualities in a passionate teacher viz. acquiring technical skills and knowledge, empathy, commitment, emotional attachment, and optimism (Day, 2009). Passionate teachers are differentiated by their seriousness in attaining the success of their students. They seriously struggle to maintain students’ successful learning (Mart, 2013). However, Mohamed (2006) claimed that the teacher’s belief and dedication to their profession makes a big difference rather than their passion. The basic characteristics of an effective teacher are patience, creativity, enthusiasm, instruction and understanding (Levine, 2017). Smith, Hurst, and Skarbek (2005) identified the primary constructs of effective teaching as a common set of concepts – knowledge, skills, and dispositions.

The essential characteristics of passionate teachers are new knowledge and ideas, willingness to work with youth, seriousness and commitment, tolerance, welcoming wild ideas – without criticism, creating a learning environment (Fried, 2001). A committed teacher constantly improves his teaching methodology and help others in developing their approaches (Balcı, 2013). A teacher commitment is influenced by the institution one works, the students one teaches, and his/her professional knowledge base (Elliott & Crosswell, 2001).

Rodgers (2014) claimed that passionate learning starts with the community, not through the textbook and the best way to adopt is through informal learning – grouping and involved in projects. Passion in teaching propels persistence, impels concentration, eases engagement, and supports a student's academic performance (Forest, Mageau, Sarrazin, & Morin, 2011; Ruiz-Alfonso, Vega, & Beltran, 2018).

Schellenberg, Bailis, and Mosewich (2016) used the dualistic model consisting of Harmonious Passion and Obsessive Passion, considering passion as a motivational construct. The independent characteristic of Harmonious Passion allows perceiving ongoing experiences of failure, frankness, and a desire to understand them precisely (Hodgins & Knee, 2002; Vallerand, 2010). Harmonious Passion prophesies better experiences of concentration whereas Obsessive Passion envisages reflecting negative emotions and pain when prevented from involving in passion (Philippe, Vallerand, Richer, Vallieres, & Bergeron, 2009; Schellenberg, Bailis, & Crocker, 2013; Stoeber, Harvey, Ward, & Childs, 2011). Harmonious Passion would produce positive outcomes in interpersonal interaction (Vallerand et al., 2007) whereas there is a risk of teaching with
Obsessive Passion as people might be cautious of self-compassion, at risk of self-satisfied in their passion (Ferguson, Kowalski, Mack, & Sabiston, 2014; Sutherland et al., 2014). Those who are obsessively passionate are inflexible, excessively, and compulsively committed, finding it difficult to disengage (Kaufman, 2011). Obsessive Passion was related to low levels of well-being and was not related to the flow of affective commitment (Byrne, 2014).

Teachers and the students are not the only ones to experience the different effects of Harmonious and Obsessive passion on psychological well-being (Liu, Wang, & Ryan, 2015). Crespo-Hervás, Calabuig-Moreno, Prado-Gascó, Añó-Sanz, and Núñez-Pomar (2019) claimed that Harmonious Passion had direct effects on future goals, value, and satisfaction whereas Obsessive Passion had an effect only on satisfaction. The most important effects of Harmonious Passion in education are the students’ well-being, goal direction, learning academic involvement, time spent, persistence, academic performance, strategy, and epistemic curiosity (Ruiz-Alfonso et al., 2018). Ruiz-Alfonso and León (2016) identified the basic features of passion for teaching as inclination, dedication, persistence, caring, positive relationships, and good emotions. Mageau et al. (2009) revealed that identification with the activity, parents' involvement in the activity valuation, and individual support propose the development of passion whether it is Harmonious or Obsessive. Robertson (2013) introduced a PBL model and claimed it to be effective when positive inter-relational conditions are established. Harmonious passion not only at the teacher’s level but at the student’s level is a deep strategy to learn (Ruiz-Alfonso & León, 2019).

Hypotheses
From the above literature review, the three variables viz. Basic passion qualities, Harmonious passion qualities, and Obsessive passion qualities were taken into consideration and thus the following hypotheses were framed viz.

1. Basic Passion Qualities positively influences the effects of Passion-based Teaching.
2. Harmonious Passion qualities positively influence the effects of Passion-based Teaching.
3. Obsessive Passion qualities positively influence the effects of Passion-based Teaching.

RESEARCH METHODOLOGY
To analyze and confirm the hypotheses, data were collected using a well-defined questionnaire from 241 teachers working in various Higher Education Institutions in Oman, who were selected on a random sampling basis. Smart PLS for Structural Equation Modeling (SEM) technique was used to analyze the data.

Demographic details of the respondents are given in table 1.

| Characteristics            | Frequency | %    |
|----------------------------|-----------|------|
| Nationality                |           |      |
| Omani                      | 72        | 29.9 |
| Expatriate                 | 169       | 70.1 |
| Gender                     |           |      |
| Male                       | 211       | 87.6 |
| Female                     | 30        | 12.4 |
| Age                        |           |      |
| < 25 years                 | 40        | 16.6 |
| 25 – < 35 years            | 49        | 20.3 |
| 35 – < 45 years            | 61        | 25.3 |
| > 45 years                 | 91        | 37.8 |
| Marital Status             |           |      |
| Single                     | 64        | 100.0|
| Married                    | 0         | 0.0  |
| Years of Experience        |           |      |
| < 5 years                  | 68        | 28.2 |
| 5 – < 10 years             | 75        | 31.1 |
| > 10 years                 | 98        | 40.7 |
| Qualification              |           |      |
| Bachelors                  | 38        | 15.8 |
| Masters                    | 100       | 41.5 |
| MPhil                      | 6         | 2.5  |
| PhD                        | 97        | 40.2 |
| Designation                |           |      |
| Teaching Assistant         | 43        | 17.8 |
| Lecturer / Senior Lecturer | 101       | 41.9 |
| Assistant / Associate Professor | 94 | 39.0 |
| Professor                  | 3         | 1.2  |
| Institution working        |           |      |
| Al Zahra College           | 3         | 1.2  |
with Arab Open University 4 1.7
Buraimi University College 5 2.1
College of Applied Sciences 28 11.6
CBFS 3 1.2
College of Technology 17 7.1
Dhofar University 7 2.9
German University of Technology 12 5.0
Gulf College 10 4.1
HCT, Muscat 13 5.4
IMCO 8 3.3
Mazoon University College 4 1.7
Middle East College 13 5.4
Modern College 7 2.9
Oman Tourism College 3 1.2
Sharqiyah University 6 2.5
Sohar University 38 15.8
SQU 12 5.0
Sur University College 2 0.8
University of Buraimi 2 0.8
University of Nizwa 27 11.2
Walajat College 9 3.7
Others 8 3.3

Specialization
Business 74 30.7
I S / I T 45 18.7
Engineering 37 15.4
Law 9 3.7
Language Studies 29 12.0
Sciences 30 12.4
Technical Studies 17 7.1

Teaching your specialized subjects
Yes. Always. 91 37.8
Yes. Sometimes. 102 42.3
Silent 2 0.8
No. But I am happy 46 19.1

Passionate about Teaching
Yes, Indeed. 110 45.6
Yes, but not fully. 105 43.6
Neutral 10 4.1
No. Not really. 11 4.6
No, not at all. 5 2.1

Source: Questionnaire

Table 2: Reliability Analysis of the data

|                      | N | %  |
|----------------------|---|----|
| Valid Cases          | 241|100.0|
| Excluded             | 0 | 0.0|

Cronbach’s Alpha     N of items
.733                 36 items

The data reliability and internal consistency are confirmed as the value was > 0.70.

The present study considers factors such as Basic Passion qualities, Harmonious Passion qualities, Obsessive Passion qualities, and the effects on Passion-Based Teaching. The details of the latent variables (factors) and apparent variables (sub-factors) are given in the table. Given below:
### Table 3: Details of Latent variables and Apparent variables

| Factors (Latent variables) | Sub-factors (Apparent variables) |
|----------------------------|-----------------------------------|
| **Basic Passion qualities** | a1 I love teaching                |
|                            | a2 Teaching is important to me     |
|                            | a3 I spend a lot of time teaching  |
|                            | a4 With positive hopes, I try to solve problems |
|                            | a5 I never criticize the ideas of students |
|                            | a6 I would like to work with young people |
|                            | a7 I give importance to students and committed |
|                            | a8 I empathize students with lack of knowledge/ability |
|                            | a9 I keep abreast of the growing knowledge |
| **Harmonious Passion qualities** | b1 I manage work-life balance  |
|                            | b2 My teaching job reflects my qualities |
|                            | b3 Through teaching, I gain a variety of experiences |
|                            | b4 Teaching job only excites me   |
|                            | b5 Teaching job is in harmony with other things of mine |
|                            | b6 I do learn from my mistakes    |
|                            | b7 Teaching job is integrated into my life |
|                            | b8 I work seriously with dedication but create a witty environment |
|                            | b9 Good learning needs the use of good knowledge with emotion |
| **Obsessive Passion qualities** | c1 I have the impression that teaching job controls me |
|                            | c2 I have an obsessive feeling for my teaching job |
|                            | c3 If I could, I would only do teaching job |
|                            | c4 I reflect student’s educational ideals and beliefs and motivate them towards commitment and effectiveness |
|                            | c5 I feel teaching job is so exciting |
|                            | c6 I tolerate students’ meaningless behavior but expect them to acquire good behavior |
|                            | c7 I try to create a learning environment where students learn from their mistakes |
|                            | c8 I have difficulties controlling my urge for my job as a teacher |
|                            | c9 I work seriously but I express my ideas and beliefs to my students clearly |
| **Effects of Passion based Teaching** | d1 Student’s behavior changes inside and outside the class |
|                            | d2 Students gain knowledge of new things of the modern worlds |
|                            | d3 Students find learning more easier |
|                            | d4 Students voluntarily involve themselves in learning |
|                            | d5 Besides respect, they very much love the teacher |
|                            | d6 The happy learning environment is created within the class |
|                            | d7 Fraternity increases by helping one another |
|                            | d8 Students organize their learning schedule due to increased interest |
|                            | d9 Student learn by their mistakes which remind like a repository in their minds |

The latent variables (constructs) will be tested along with the apparent variables using the measurement model. The conceptual model is shown in figure 1.

![Conceptual Model](image-url)
The structural model specifies the suppressed constructs. Tenenhaus, Vinzi, Chatelin, and Lauro (2005) defined that measurement model, structural model, and structural regression equation – in the order are used to measure the quality of the model.

RESULTS AND DISCUSSION

Measurement Model

To test the reliability of the measurement model, discriminant and convergent were validated (Henderson, Sheetz, & Trinkle, 2012). The coefficients and the values of loading were shown in figure 2 - the initial path model.

The reliability of the measurement model was validated by assessing the sub-factors reliability and the factor loadings. A minimum value of 0.45 can be preferable (Comrey & Lee, 2013) but for our study, the sub-factors loading above 0.50 was considered (Hulland, 1999) and those sub-factors with lesser loadings were removed and the resulting final path model is shown in figure 3.
Reliability

Construct reliability and inner consistency were adjudged using composite reliability (Hair, Sarstedt, Ringle, & Mena, 2012). As per Gefen, Straub, and Boudreau (2000), the least score for composite reliability should be 0.7 and as per Hair, Black, Babin, Anderson, and Tatham (1998) the minimum score of Cronbach's alpha should be 0.6. The factor loadings, composite reliability and Cronbach's alpha values obtained were shown in Table 4. Cronbach's alpha value was above 0.755 except Obsessive Passion qualities. The composite reliability score was > 0.799 except the score of the Obsessive Passion qualities which was close to 0.70. Therefore, the model can be considered trustworthy.

Table 4: Factor loading for indicators of latent constructs

| Factors and Sub-factors | Factor loading | Cronbach’s alpha | Composite reliability | AVE     |
|-------------------------|----------------|------------------|-----------------------|---------|
| A Basic Passion Qualities |                |                  |                       |         |
| a5 I never criticize the ideas of students | 0.942          | 0.800            | 0.672                 |         |
| a8 I empathize students with lack of knowledge/ability | 0.676          |                  |                       |         |
| B Harmonious Passion Qualities |    | 0.943            | 0.959                 | 0.855   |
| b3 Through teaching, I gain a variety of experiences | 0.909          |                  |                       |         |
| b5 Teaching job is in harmony with other things of mine | 0.942          |                  |                       |         |
| b6 I do learn from my mistakes | 0.969          |                  |                       |         |
| b8 I work seriously with dedication but create a witty environment | 0.875          |                  |                       |         |
| C Obsessive Passion Qualities |               | 0.317            | 0.674                 | 0.553   |
| c8 I have difficulties controlling my urge for my job as a teacher | 0.980          |                  |                       |         |
| c9 I work seriously but I express my ideas and beliefs to my students clearly | 0.382          |                  |                       |         |
| D Effects of Passion-Based Teaching |         | 0.763            | 0.866                 | 0.685   |
| d4 Students voluntarily involve themselves in learning | 0.753          |                  |                       |         |
| d5 Besides respect, they very much love the teacher | 0.773          |                  |                       |         |
| d9 Student learn by their mistakes which remind like a repository in their minds | 0.943          |                  |                       |         |

Convergent Validity and Average Variance Extracted (AVE)

To assess convergent validity:

1. The outer loadings should be greater than or equal to 0.70 (Hulland, 1999) and;
2. AVE values for every latent variable should be > 0.50 (Bagozzi & Yi, 1988). 0.4 is acceptable (Fornell & Larcker, 1981) if composite reliability is > 0.6 (Huang, Wang, Wu, & Wang, 2013).

From Table 4 it can be seen that the variance extracted ranged from 0.553 to 0.855, and thus the convergent validity is satisfactory.

Discriminant Validity

Discriminant validity is to ensure that a construct has the strongest relationships than any other construct in the PLS path model. AVE square root and constructs correlations in Table 5 shows that the constructs Discriminant validity is satisfactory.

Structural Model Analysis

Through the path coefficient values, the relationship among the R-square value, independent variable, and dependent variable is tested. The bootstrapping test values are shown in Table 6.
Table 5: Discriminant Validity Results

|                                | Effects of Passion-based Teaching | Basic Passion qualities | Harmonious Passion qualities | Obsessive Passion qualities |
|--------------------------------|----------------------------------|------------------------|----------------------------|-----------------------------|
| Effects of Passion-based Teaching | 1                                |                        |                            |                             |
| Basic Passion qualities        | 0.843695                         | 1                      |                            |                             |
| Harmonious Passion qualities   | 0.734852                         | 0.641626               | 1                          |                             |
| Obsessive Passion qualities    | 0.413375                         | 0.343934               | 0.570125                   | 1                           |

Table 6: Path coefficients along with their Bootstrap values and T-values

| Factors                                      | Original Sample Mean (O) | Sample Mean (M) | Standard Deviation (STDEV) | Standard Error (STERR) | T Statistics (O/STERR) | Supported | Significance values |
|----------------------------------------------|--------------------------|-----------------|----------------------------|------------------------|------------------------|-----------|--------------------|
| Basic Passion qualities > Effects of Passion-Based Teaching | 0.633                    | 0.632           | 0.054                      | .054                   | 11.699                 | Yes       | p < 0.05 1.96      |
| Harmonious passion qualities > Effects of Passion-Based Teaching | 0.322                    | 0.319           | 0.055                      | 0.055                  | 5.859                  | Yes       | p < 0.05 1.96      |
| Obsessive passion qualities > Effects of Passion-Based Teaching | 0.012                    | 0.020           | 0.024                      | 0.024                  | 0.514                  | No        | ---                |

The relationship between the Effects of Passion-Based Teaching and Basic Passion qualities was significant as t-value = 11.699 (> 1.96) i.e. Hypothesis No.1 was proved.

The relationship between the Effects of Passion-Based Teaching and Harmonious Passion qualities was significant as t-value = 5.859 (>1.96) i.e. Hypothesis No.2 was proved.

The relationship between the Effects of Passion-Based Teaching and Obsessive Passion qualities was insignificant as t-value = 0.514 (<1.96) i.e. Hypothesis No.3 was disproved.

Figure 4: Bootstrapping Diagram
Assessment of Fit

Goodness-of-fit (GOF) is the overall model fit for PLS-SEM.

\[ \text{GOF} = \sqrt{\text{average } R^2 \times \text{average communality}} = \sqrt{0.778 \times 0.692} = 0.732 \]

| Factors                      | \( R^2 \) | Communality | \( H^2 \) | Redundancy | \( F^2 \) |
|------------------------------|----------|-------------|----------|------------|----------|
| Effects of Passion-Based Teaching | 0.776    | 0.685       | 0.378    | 0.454      | 0.378    |
| Basic Passion qualities      | 0.672    | 0.525       |          | 0.136      |          |
| Harmonious Passion qualities | 0.855    | 0.734       |          |            | 0.734    |
| Obsessive Passion qualities  | 0.553    | 0.017       |          | 0.017      |          |
| Average                      | 0.778    | 0.692       | 0.017    | 0.454      | 0.316    |

Where \( H^2 \) is CV-communality index and \( F^2 \) is CV-redundancy index.

In PLS, the structural model and hypothesis were tested by computing path coefficients \( \beta \) as PLS does not require normally distributed data. It is evaluated with \( R^2 \) calculation for dependent latent variables (Cohen, West, & Aiken, 2014) and AVE (Fornell & Larcker, 1981). \( R^2 \) measures a construct’s percent variation that is explained by the model (Wixom & Watson, 2001). As the value is greater than zero, the model has predictive significance as seen in figure 5.

CONCLUSION AND SUGGESTIONS

45.6% of the teachers responded that they were fully passionate about their teaching and 43.6% of the respondents reported that they were passionate but not fully. 37.8% of respondent teachers agreed that they were not teaching out-of-field but the majority of the teachers (42.3%) agreed that they sometimes do out-of-field teaching.

It is noted that Basic Passion Qualities and Harmonious Passion qualities had a positive influence on the Effects of Passion based Teaching. The factor Obsessive Passion qualities do not have an impact on the Effects of Passion based Teaching. The Harmonious Passion qualities along with the basic passion qualities creating a conducive atmosphere in the classroom for the students to learn. Thus passion acts as a motivating factor influencing learning and teaching positively creating excitement and action in the classroom. The teachers need to increase Harmonious Passion rather than Obsessive Passion as it might result in burnout or disengagement in the long run.
Therefore, the following suggestions are made for the teachers to bring in passion-based teaching in the classroom for which the teachers should:

1. Find out the interests of the students in the class.
2. Make emotional attachments so as to get them into the flow.
3. Not to criticize anyone, rather encourage them for innovation & creativity.
4. Allow enough time to learn on their own for which a conducive environment should be made.

DECLARATION OF INTEREST STATEMENT

All of the data were collected from the teachers working in various higher educational institutions (HEIs) in Oman. The data collected through the questionnaire reflect the opinion of the individual respondents, not of the institution he/she belongs to. The identity of the respondents was anonymous and used only for research purposes. The data can be made available by private request. Further, the author declares that there is no funding or conflict of interest in this work.

REFERENCES

1. Bagozzi, R. P., & Yi, Y. (1988). On the evaluation of structural equation models. *Journal of the academy of marketing science, 16*(1), 74-94. https://doi.org/10.1007/BF02723327
2. Balci, A. (2013). *Etkili okul ve okul geliştirme: Kuram uygulama ve araştırma* : Pegem A Yayıncılık.
3. Bariranne, E., Marsh, D. A., & Olson, V. (2014). Passion-Based Projects in Education. 9. http://passionbasedprojects.weebly.com/
4. Bonneville-Roussy, A., Lavigne, G. L., & Vallerand, R. J. (2011). When passion leads to excellence: The case of musicians. *Psychology of Music, 39*(1), 123-138. https://doi.org/10.1177/0305735609352441
5. Bonneville-Roussy, A., Vallerand, R. J., & Bouffard, T. (2013). The roles of autonomy support and harmonious and obsessive passions in educational persistence. *Learning and Individual Differences, 24*, 22-31. https://doi.org/10.1016/j.lindif.2012.12.015
6. Byrne, Z. S. (2014). *Understanding employee engagement: Theory, research, and practice*: Routledge. https://doi.org/10.4324/9780203385944
7. Carbonneau, N., Vallerand, R. J., Fernet, C., & Guay, F. (2008). The role of passion for teaching in intrapersonal and interpersonal outcomes. *Journal of Educational Psychology, 100*(4), 977-987. https://doi.org/10.1037/a0012545
8. Cohen, P., West, S. G., & Aiken, L. S. (2014). *Applied multiple regression/correlation analysis for the behavioral sciences*: Psychology Press. https://doi.org/10.4324/9781410606066
9. Comrey, A. L., & Lee, H. B. (2013). *A first course in factor analysis*: Psychology press. https://doi.org/10.4324/9781315827506
10. Crespo-Hervás, J., Calabuig-Moreno, F., Prado-Gascó, V., Añó-Sanz, V., & Núñez-Pomar, J. (2019). The role of passion in the quality-value-satisfaction-intentions chain: linear models and the QCA approach for athletes. *Economic research-Ekonomiska istraživanja, 32*(1), 352-369. https://doi.org/10.1080/1331677X.2018.1553683
11. Cruz, P. I., Salavaria, H., Camiling, M., Francisco, M. S., Livioco, A., & Santos, L. C. (2017). Effects of Out-of-Field Teaching of Science Subjects in the Learning Process of Selected Grade 10 Students of Malabon National High School.
12. Day, C. (2004). *A passion for teaching*: Routledge. https://doi.org/10.4324/9780203464342
13. Deci, E. L., & Ryan, R. M. (2000). The “what” and “why” of goal pursuits: Human needs and the self-determination of behavior. *Psychological inquiry, 11*(4), 227-268. https://doi.org/10.1207/S15327966PI1104_01
14. Devlin, M., & Samarawickrema, G. (2010). The criteria of effective teaching in a changing higher education context. *Higher Education Research & Development, 29*(2), 111-124. https://doi.org/10.1080/07294360903244398
15. Elliott, B., & Crosswell, L. (2001). *Commitment to teaching: Australian perspectives on the interplays of the professional and the personal in teachers’ lives*. Paper presented at the International Symposium on Teacher Commitment at the European Conference on Educational Research, Lille, France.
16. Ferguson, L. J., Kowalski, K. C., Mack, D. E., & Sabiston, C. M. (2014). Exploring self-compassion and eudaimonic well-being in young women athletes. *Journal of sport and exercise psychology, 36*(2), 203-216. https://doi.org/10.1123/jsep.2013-0096
17. Forest, J., Mageau, G. A., Sarrazin, C., & Morin, E. M. (2011). “Work is my passion”: The different affective, behavioural, and cognitive consequences of harmonious and obsessive passion toward work. *Canadian Journal of Administrative Sciences/Revue Canadienne des Sciences de l'Administration, 28*(1), 27-40. https://doi.org/10.1002/cjas.170
18. Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of marketing research, 18*(1), 39-50. https://doi.org/10.1177/002224378101800104
19. Freire, P. (1998). Teaching is not just transferring knowledge. Pedagogy of freedom: Ethics, democracy, and civic courage, 49-84.
20. Fried, R. L. (2001). The passionate teacher: A practical guide: Beacon Press.
21. Fried, R. L. (2002). The passionate teacher: a practical guide. Harvard Educational Review, 72(4), 564-568.
22. Gefen, D., Straub, D., & Boudreau, M.-C. (2000). Structural equation modeling and regression: Guidelines for research practice. Communications of the association for information systems, 4(1), 1-78. https://doi.org/10.17705/1CAIS.00407.
23. Greene, M. (1986). Reflection and passion in teaching. Journal of curriculum and Supervision, 2(1), 68-81.
24. Hair, J. F., Black, W. C., Babin, B. J., Anderson, R. E., & Tatham, R. L. (1998). Multivariate data analysis (Vol. 5): Prentice hall Upper Saddle River, NJ.
25. Hair, J. F., Sarstedt, M., Ringle, C. M., & Mena, J. A. (2012). An assessment of the use of partial least squares structural equation modeling in marketing research. Journal of the academy of marketing science, 40(3), 414-433. https://doi.org/10.1007/s11747-011-0261-6.
26. Henderson, D., Sheetz, S. D., & Trinkle, B. S. (2012). The determinants of inter-organizational and internal in-house adoption of XBRL: A structural equation model. International journal of accounting information systems, 13(2), 109-140. https://doi.org/10.1016/j.accinf.2012.02.001.
27. Hiebert, J., Gallimore, R., & Stigler, J. W. (2002). A knowledge base for the teaching profession: What would it look like and how can we get one? Educational researcher, 31(5), 3-15. https://doi.org/10.3102/0013189X031005003.
28. Hobbs, L. (2013). Teaching ‘out-of-field’as a boundary-crossing event: Factors shaping teacher identity. International journal of science and mathematics education, 11(2), 271-297. https://doi.org/10.1007/s10763-012-9333-4.
29. Hodgins, H. S., & Knee, C. R. (2002). The integrating self and conscious experience. In E.L.Deci & R.M.Ryan (Eds.), Handbook of Self-determination Theory Research (pp. 87-100). New York: The University of Rochester Press.
30. Huang, C.-C., Wang, Y.-M., Wu, T.-W., & Wang, P.-A. (2013). An empirical analysis of the antecedents and performance consequences of using the moodle platform. International Journal of Information and Education Technology, 2(2), 217. https://doi.org/10.7763/IJIET.V2.I2.46.
31. Hulland, J. (1999). Use of partial least squares (PLS) in strategic management research: A review of four recent studies. Strategic management journal, 20(2), 195-204. https://doi.org/10.1002/(SICI)1097-0266(199902)20:2<195::AID-SMJ13>3.0.CO;2-7.
32. Kaufman, S. B. (2011). How To Increase Your Harmonious Passion - Is your Passion for work harmonious or obsessed? Retrieved from https://www.psychologytoday.com/us/blog/beautiful-minds/201109/how-increase-your-harmonious-passion.
33. Kim, H. (2013). Passion on teaching beliefs and efficacy. Academic Exchange Quarterly, 17(4), 20-27.
34. Kreber, C. (2002). Teaching excellence, teaching expertise, and the scholarship of teaching. Innovative higher education, 27(1), 5-23. https://doi.org/10.1023/A:102046422360.
35. Lang, J. M. (2010). Tenured Professors and Passionate Learning. Retrieved from The Chronicle of Higher Education: Advice website: https://www.chronicle.com/article/Tenured-Professors-and/64550.
36. Levine, G. (2017). Effective Teacher Characteristics: Future Teachers’ Voices.
37. Liu, W. C., Wang, J. C. K., & Ryan, R. M. (2015). Building autonomous learners: Perspectives from research and practice using self-determination theory. Springer.
38. Luh, D.-B., & Lu, C.-C. (2012). From cognitive style to creativity achievement: The mediating role of passion. Psychology of Aesthetics, Creativity, and the Arts, 6(3), 282. https://doi.org/10.1037/a0026868.
39. Mageau, G. A., Vallerand, R. J., Charest, J., Salvy, S. J., Lacaille, N., Bouffard, T., & Koestner, R. (2009). On the development of harmonious and obsessive passion: The role of autonomy support, activity specialization, and identification with the activity. Journal of personality, 77(3), 601-646. https://doi.org/10.1111/j.1467-6494.2009.00559.x.
40. Mart, C. T. (2013). A passionate teacher: Teacher commitment and dedication to student learning. International Journal of Academic Research in Progressive Education and Development, 2(1), 437-442.
41. McConney, A., & Price, A. (2009). Teaching out-of-field in Western Australia. Australian Journal of Teacher Education, 34(6), 86-100. https://doi.org/10.14221/ajte.2009v34n6.6.
42. McDougald, V. (2016). How teacher specialization affects student achievement. FLY PAPER. https://fordhaminstitute.org/national/commentary/how-teacher-specialization-affects-student-achievement.
43. Mohamed, N. (2006). An explanatory study of the interplay between teachers’ beliefs, instructional practices & professional development. ResearchSpace@ Auckland. Retrieved from https://researchspace.auckland.ac.nz/handle/2292/311.
44. Nias, J. (1996). Thinking about feeling: The emotions in teaching. *Cambridge journal of education*, 26(3), 293-306. https://doi.org/10.1080/0305764960260301

45. Philippe, F. L., Vallerand, R. J., Richer, I., Vallieres, É., & Bergeron, J. (2009). Passion for driving and aggressive driving behavior: A look at their relationship. *Journal of Applied Social Psychology*, 39(12), 3020-3043. https://doi.org/10.1111/j.1559-1816.2009.00559.x

46. Robertson, J. A. (2013). Passion-based learning: the design and implementation of a new approach to project-based learning (PBL) for alternative education. Education: Faculty of Education.

47. Rodgers, D. (2014). Passionate Learning Starts with the Community Not the Textbook: A Call For Informal Learning. Retrieved from https://www.schoology.com/blog/passionate-learning-starts-with-the-community-not-the-textbook-a-call-for-informal-learning

48. Ruiz-Alfonso, Z., & León, J. (2016). The role of passion in education: A systematic review. *Educational Research Review*, 19, 173-188. https://doi.org/10.1016/j.edurev.2016.09.001

49. Ruiz-Alfonso, Z., & León, J. (2019). Teaching quality: relationships between passion, deep strategy to learn, and epistemic curiosity. *School Effectiveness and School Improvement*, 30(2), 212-230. https://doi.org/10.1080/09243453.2018.1562944

50. Ruiz-Alfonso, Z., Vega, L., & Beltran, E. (2018). What About Passion in Education? The Concept of Passion, why it is Important and How Teachers Can Promote it. *European Scientific Journal*, 14(1), 19-28. https://doi.org/10.19044/esj.2018.v14n1p19

51. Ryan, R. M., & Deci, E. L. (2003). On assimilating identities to the self: A self-determination theory perspective on internalization and integrity within cultures.

52. Schellenberg, B. J., Bailis, D. S., & Crocker, P. R. (2013). Passionate hockey fans: Appraisals of, coping with, and attention paid to the 2012–2013 National Hockey League lockout. *Psychology of Sport and Exercise*, 14(6), 842-846. https://doi.org/10.1016/j.psychsport.2013.06.004

53. Schellenberg, B. J., Bailis, D. S., & Mosewich, A. D. (2016). You have passion, but do you have self-compassion? Harmonious passion, obsessive passion, and responses to passion-related failure. *Personality and Individual Differences*, 99, 278-285. https://doi.org/10.1016/j.paid.2016.05.003

54. Serin, H. (2017). The Role of Passion in Learning and Teaching. *International Journal of Social Sciences and Educational Studies*, 4(1), 60-64. https://doi.org/10.23918/ijsses.v4i1p60

55. Singhal, P. (2017). Teachers burning out as they take on classes outside expertise: ACER report. *The Sunday Morning Herald*. Retrieved from Education website: https://www.smh.com.au/education/teachers-burning-out-as-they-take-on-classes-outside-expertise-acer-report-20170423-gvqi08.html

56. Smith, R. L., Hurst, J., & Skarbek, D. (2005). *The passion of teaching: Dispositions in the schools*: R&L Education.

57. Stoeber, J., Harvey, M., Ward, J. A., & Childs, J. H. (2011). Passion, craving, and affect in online gaming: Predicting how gamers feel when playing and when prevented from playing. *Personality and Individual Differences*, 51(8), 991-995. https://doi.org/10.1016/j.paid.2011.08.006

58. Sutherland, L. M., Kowalski, K. C., Ferguson, L. J., Sabiston, C. M., Sedgwick, W. A., & Crocker, P. R. (2014). Narratives of young women athletes’ experiences of emotional pain and self-compassion. *Qualitative research in sport, exercise and health*, 6(4), 499-516. https://doi.org/10.1080/2159676X.2014.888587

59. Tenenhaus, M., Vinzi, V. E., Chatelin, Y.-M., & Lauro, C. (2005). PLS path modeling. *Computational statistics & data analysis*, 48(1), 159-205. https://doi.org/10.1016/j.csda.2004.03.005

60. Thompson, A. (2007). Why Passion is Important for Teachers. Retrieved from https://channel9.msdn.com/Blogs/alfridtwo/Why-Passion-is-Important-for-Teachers

61. Vallerand, R. J. (2010). On passion for life activities: The dualistic model of passion *Advances in experimental social psychology* (Vol. 42, pp. 97-193). Elsevier. https://doi.org/10.1016/S0065-2601(10)42003-1

62. Vallerand, R. J. (2012). The role of passion in sustainable psychological well-being. *Psychology of well-Being: Theory, research and practice*, 2(1), 1-21. https://doi.org/10.1186/2211-1522-2-1

63. Vallerand, R. J. (2015). *The psychology of passion: A dualistic model*: Series in Positive Psychology. https://doi.org/10.1093/acprof:oso/9780199777760.001.0001

64. Vallerand, R. J., Blanchard, C., Mageau, G. A., Koestner, R., Ratelle, C., Léonard, M., . . . Marsolais, J. (2003). Les passions de l’ame: on obsessive and harmonious passion. *Journal of personality and social psychology*, 85(4), 756. https://doi.org/10.1037/0022-3514.85.4.756

65. Vallerand, R. J., Salvy, S. J., Mageau, G. A., Elliot, A. J., Denis, P. L., Grouzet, F. M., & Blanchard, C. (2007). On the role of passion in performance. *Journal of personality*, 75(3), 505-534. https://doi.org/10.1111/j.1467-6494.2007.00447.x

66. Wixom, B. H., & Watson, H. J. (2001). An empirical investigation of the factors affecting data warehousing success. *MIS quarterly*, 25(1), 17-41.