

Loureiro, Sandra Maria Correia; Kaufmann, Hans Rüdiger

Article

The role of online brand community engagement on positive or negative self-expression word-of-mouth

Cogent Business & Management

Provided in Cooperation with:

Taylor & Francis Group

Suggested Citation: Loureiro, Sandra Maria Correia; Kaufmann, Hans Rüdiger (2018) : The role of online brand community engagement on positive or negative self-expression word-of-mouth, Cogent Business & Management, ISSN 2331-1975, Taylor & Francis, Abingdon, Vol. 5, <https://doi.org/10.1080/23311975.2018.1508543>

This Version is available at:

<https://hdl.handle.net/10419/206102>

Standard-Nutzungsbedingungen:

Die Dokumente auf EconStor dürfen zu eigenen wissenschaftlichen Zwecken und zum Privatgebrauch gespeichert und kopiert werden.

Sie dürfen die Dokumente nicht für öffentliche oder kommerzielle Zwecke vervielfältigen, öffentlich ausstellen, öffentlich zugänglich machen, vertreiben oder anderweitig nutzen.

Sofern die Verfasser die Dokumente unter Open-Content-Lizenzen (insbesondere CC-Lizenzen) zur Verfügung gestellt haben sollten, gelten abweichend von diesen Nutzungsbedingungen die in der dort genannten Lizenz gewährten Nutzungsrechte.

Terms of use:

Documents in EconStor may be saved and copied for your personal and scholarly purposes.

You are not to copy documents for public or commercial purposes, to exhibit the documents publicly, to make them publicly available on the internet, or to distribute or otherwise use the documents in public.

If the documents have been made available under an Open Content Licence (especially Creative Commons Licences), you may exercise further usage rights as specified in the indicated licence.



<https://creativecommons.org/licenses/by/4.0/>



Received: 22 February 2018
Accepted: 31 July 2018
First Published: 23 August 2018

*Corresponding author: Sandra Maria Correia Loureiro, Instituto Universitário de Lisboa (ISCTE-IUL), Business Research Unit (BRU/UNIDE)
E-mail: sandramloureiro@netcabo.pt

Reviewing editor:
Scott Weaven, Griffiths University,
Australia

Additional information is available at
the end of the article

MARKETING | RESEARCH ARTICLE

The role of online brand community engagement on positive or negative self-expression word-of-mouth

Sandra Maria Correia Loureiro^{1*} and Hans Rüdiger Kaufmann^{2,3}

Abstract: The aim of this research is to explore how online engagement influences positive versus negative consumption-focused self-expression word-of-mouth. Three brands are selected to be the focus of the study (*Starbucks, Apple, and McDonald's*), and six online brand communities of these brands participated. The online questionnaire was distributed to those communities and filled in by 600 members of the respective love and hate brand communities. Affection (passion/aversion) is the motivational factor that leads community members of both types (love and hate) to be active in commenting and writing reviews about the product/brand. In hate brand communities, connecting negatively influences consumption-focused self-expression word-of-mouth, whilst brand influence has a positive effect on it.

Subjects: Internet/Digital Marketing/e-Marketing; Marketing Communications; Relationship Marketing

Keywords: online brand community engagement; hate brand communities; love brand communities; consumption-focused self-expression word-of-mouth



Sandra Maria Correia Loureiro

ABOUT THE AUTHORS

Sandra Maria Correia Loureiro (PhD) is the director of PhD in Tourism Management and head of research in marketing. Her current research interests include consumer-brand relationships, engagement and tourism marketing issues. She is a track chair at GAMMA-Global Marketing Conference. Her papers have been published in a variety of peer-reviewed journals that include *International Journal of Hospitality Management*, *Journal of Travel and Tourism Marketing*, *Journal of Retailing*, *Journal of Service Management*, or *Online Information Review*.

Hans Rüdiger Kaufmann was President (2007–2009) of the global Consumer Behavior Network, CIRCLE, Vice-President of EMBRI and a founding member in both academic institutions. He was a board member of the American Marketing Association Global Marketing SIG (2012–2016). In addition, he is a member of the editorial board of a variety of journals and an Associate Editor of the *World Review of Entrepreneurship, Management and Sustainable Development*.

PUBLIC INTEREST STATEMENT

Consumers are more and more active in using social media and brand communities to expose their messages. Thus, the process of being engaged in self-expression word-of-mouth gives insights about how brand managers could encourage such comments to be used to co-create products. The emotional bond—love or aversion—is the most effective factor for consumers be engaged in brand communities. Thus, a brand closer to the consumer, gradually revealing the novelties, responding to questions and comments—always caring—lead consumers more active in co-creation processes. Negative strong feelings and the need to influence others to cause damage to the brand can be used by brand managers to understand the key negative factors of consumer-brand relationships. In this situation, brand should be able to show that they care and want to recover what did wrong.

1. Introduction

A brand community was first defined by Muñiz and O'Guinn (2001, p. 412), supported by Dholakia, Bagozzi, and Pearo (2004), as a “specialised, non-geographically bound community, based on a structured set of social relationships among admirers of a brand.” Specifying this relationship structure, McAlexander, Schouten, and Koenig (2002) hold that a brand community is a fabric of relationships between the customer and the brand/product, the consumer and the organizations, and among consumers inside a community.

Community engagement is conceptualized as the intrinsic motivation felt by community members to co-operate and interact with each other (Algesheimer, Dholakia, & Herrmann, 2005). In social networking sites, brand communities, fans, and consumers can create interactions with other consumers and the brand itself by “liking” and commenting on posts made on the page, or by sharing user-generated content (Halaszovich & Nel, 2017; Loureiro, Maximiano, & Panchapakesan, 2018; Rellinga, Schnittkab, Sattlera, & Johnena, 2016; Rialti, Zollo, .Pellegrini, & Ciappei, 2017; Simon, Brexendorf, & Fassnacht, 2016; Tafesse, 2016). Drawing on past research about user engagement in the context of online brand communities and aiming to analyze the impact of benefit and cost factors on user engagement, Zheng, Cheung, Lee, and Liang (2015, p. 91) describe user engagement as an “individual participation and promotion behavior.”

So far, past research focused on fans' brand communities and love brand communities (e.g., Algesheimer et al., 2005; Brodie, Ilic, Juric, & Hollebeek, 2013; Chan, Zheng, Cheung, Lee, & Lee, 2014; Pongpaew, Speece, & Tiangsoongnern, 2017; Rialti et al., 2017) shedding light on the positive effect of participating in a brand community on brand engagement (Algesheimer et al., 2005). Other researchers reveal that being engaged is positively related to satisfaction, connection, consumer loyalty, trust, commitment, empowerment, and emotional bonding (Beckers, van Doorn, & Verhoef, 2018; Brodie et al., 2013; Chu & Choi, 2011; Franzak, Makarem, & Jae, 2014; Sung, Kim, Kwon, & Moon, 2010). Effectively, engaging consumers with online brand communities on social networking sites is a crucial innovative marketing strategy for companies, instead of resorting to otherwise traditional and insufficient marketing strategies (Chan et al., 2014). However, relationships between consumers and brands do not always involve positive engagement and co-creation, it could also evolve to value co-destruction (Li, Juric, & Brodie, 2018; Smith, 2013). Value co-destruction, the counterpart of value co-creation, is a phenomenon, where the nature of the relationship process and use of resources between consumers and an organization result in detrimental relationships. The resources that are beneficially mobilized for a positive relationship (e.g., using online interactive platforms to exchange information) might also be used in a negative way, where consumers may blacken and blemish the brand (Plé & Chumpitaz, 2010). This misuse of resources engenders value codestruction. When consumers and the respective organization are not aligned and have different perspectives about the product/brand, instead of commonly embarking on a process of co-creation and continuously improving the product, consumers may damage the brand's reputation (e.g., Plé & Chumpitaz, 2010; Vargo & Lusch, 2008). This negative interaction could be accidental, when consumers do not deliberately want to cause damage to the brand, or intentional, when the consumers' motivation is directed toward causing damage to the brand and/or advising other consumers on the dark side of the brand. Thus, a consumer may be positively or negatively engaged with the brand. A negative engagement process could trigger negative Consumer-Brand Engagement processes, and hate can emerge in Antibranding or Hate brand communities (e.g., Krishnamurthy & Kucuk, 2009; Kucuk, 2008).

So far, only a small number of studies (e.g., Brodie et al., 2013; Hollebeek & Chen, 2014) have acknowledged the damaging, negative, and unfavorable side of consumer engagement. Hollebeek and Chen (2014) highlight in their conceptual model the positively versus negatively valenced brand engagement connotation, but did not empirically test it. Therefore, despite the effort of some scholars, the original conceptions of customer engagement still fail to provide the potential expression of negative engagement (Gupta, Pansari, & Kumar, 2018; Juric, Smith, & Wilks, 2016; Kaltcheva, Patino, Laric, Pitta, & Imparato, 2014; Kaufmann, Loureiro, & Manarioti, 2016; Pansari &

Kumar, 2017). Loureiro (2015) also calls for more research on negative engagement and the effects of hating a brand on its reputation and on managerial implications. Therefore, the importance of this research lies in innovatively comparing the effect of being negatively and positively engaged with online brand communities on the positive/negative consumption-focused self-expression word-of-mouth (CSWOM). The value is to give insights about which dimensions of negative and positive engagement have greater impact on CSWOM.

CSWOM refers to a way of communication about one's consumption activities to expressing one's self -concept and attracting attention to oneself (Saenger, Thomas, & Johnson, 2013). This study focuses on how a positive versus negative state of engagement influences the consumers' motivation to spread word-of-mouth about consumption activities (products and brands) in order to self-express. In this vein, CSWOM emerges as a more appropriate concept than the traditional one to analyze the role of positive versus negative valence of online brand community engagement on the way a consumer self-express about their consumption activities (products and brands) in brand communities.

Following this introduction, next section provides a theoretical foundation pertaining to a review of previous research related to consumer engagement conceptualizations and dimensionality and consumption-focused self-expression word-of-mouth as well as the proposed hypotheses. The next sections describe the research methodology and report on the testing of the hypotheses. Finally, we present the discussion, implications, limitations, and suggestions for future research.

2. Theoretical background

2.1. Consumer engagement conceptualization and dimensionality

Previous research has suggested that consumer engagement could result in brand usage intent (Hollebeek, Glynn, & Brodie, 2014), or experiencing firm performance (Kumar et al., 2010; Kumar & Pansari, 2016) or even interactive outcomes such as word-of-mouth, loyalty and consumer retention through consumers' value co-creation (Verhoef, Reinartz, & Krafft, 2010). Brand usage intent refers to the intention to use and prefer the online brand that the consumer is engaged with instead of any other brand. When consumers are engaged with some brand, she/he will be more willing to keep using that brand and could also be more dedicated to express her/himself through the brand by using word-of-mouth.

Regarding experiencing firm performance, Kumar and Pansari (2016, p. 502) claim that if a consumer is engaged with the firm, the consumer will make purchases from the firm and will also provide referrals contributing to the firm's profitability. Hence, if the consumer is willing to repeat the purchase and provide referrals, it is expected that she/he is also likely to be willing to express her/himself using word-of-mouth. Thus, consumers engaged with a firm/brand feel somehow connected and identified with the firm/brand (Steward, Narus, & Roehm, 2018). This process of engagement leads consumers to be more proactive in expressing themselves through word-of-mouth (Beckers et al., 2018; Verhoef et al., 2010).

Consumer engagement transcends concepts of involvement or participation (Gagné, 2003) since it constitutes an active and interactive customer connection with a given object, while involvement and participation fail to reflect the interactive and value co-creation experiences (Brodie, Hollebeek, Jurić, & Ilić, 2011). Further characterizing this interaction, Hollebeek et al. (2014, p. 154) conceptualize consumer-brand engagement as a "*consumer's positively valenced brand-related cognitive, emotional and behavioural activity during or related to focal consumer/brand interactions.*" Three dimensions emerge from the study of Hollebeek et al. (2014, p. 22) in terms of cognitive processing (*processing and elaboration in a particular consumer-brand interaction*), affection (*positive brand-related affect in a particular consumer-brand interaction*), and activation (*energy, effort and time spent on a brand in a particular consumer-brand interaction*). Yet, the manifestation of particular cognitive, emotional, and behavioral dimensions depends extensively

on the engagement actors—engagement subjects/objects—and contexts (Brodie et al., 2011; Li et al., 2018), including media contexts (new online media in contrast to traditional advertising media) (Calder, Malthouse, & Schaedel, 2009; Loureiro, Gorgus, & Kaufmann, 2017). Actually, the scale developed by Hollebeek et al. (2014) is not particularly dedicated to online brand communities. In this respect, Baldus, Voorhees, and Calantone (2015) made a first attempt to conceptualize online brand community engagement as the compelling, intrinsic motivation to continue interacting with an online brand community. To establish the baseline dimensions, consisting of 11 dimensions the authors pursued the grounded theory approach. Consecutively, they employed Churchill's (1979) paradigm to refine the scale which is used in the current study: Brand influence, Brand passion, Connecting, Helping, Like-minded discussion, Rewards (hedonic), Rewards (utilitarian), Seeking assistance, Self-expression, Up-to-date information, and Validation (e.g., Albert, Merunka, & Valette-Florence, 2008; Algesheimer et al., 2005; Batra, Ahuvia, & Bagozzi, 2012; Dholakia et al., 2004).

However, engagement could also have a dark side potentially leading to codestruction of brand value, or impoverishment of value by consumers and providers (Dolan, Conduit, & Fahy, 2016; Loureiro et al., 2018). Such damaging behavior can be caused by consumers' perceived reputation of the brand, self-confidence, product involvement, proximity to others, and attitudes to the business in general as well as perceived worthiness of complaining (Lau & Ng, 2001). Yet, the action of participating in codestruction of brand value can also be reflected by individuals who are highly motivated in damaging an individual's perception of a specific brand, product or, even, business. These individuals—consumers or non-consumers of a specific brand—do not only share negative feelings and messages toward a specific brand, but also become engaged in doing so. This aspect of consumer behavior creates new research avenues in terms of developing new concepts in the marketing literature (Juric et al., 2016).

According to Hollebeek and Chen (2014) consumers, in a state of positive-valenced consumer engagement, display high commitment toward an object (often, a brand). These consumers are regarded as brand devotees, with a strong connection to the specific brand and a high level of engagement in co-creating value. However, in the same condition of high commitment, albeit characterized by negative-valenced consumer engagement, individuals become brand adversaries, also connected, in a sense, with the focal object, but with the intention to destroy or damage the brand. This is supporting the theory that positive and negative brand engagement are two opposite sides of the same construct. The regularity and severity of negative engagement behaviors have been found to progressively develop through constant incongruence between consumers' expectations and a brand's actual behavior (Chylinski & Chu, 2010). Consumers driven by revenge and the desire to feel less anxious act in diverse ways: while some use negative, even malicious and vindictive word-of-mouth Grégoire, Salle and Tripp (2015) to decrease the frustration caused by dissatisfying experiences, others even go beyond this state and are proactive in attempting to damage the brand (Juric et al., 2016). In addition, the nature of the relationship between consumers and brand is relevant when predicting the intensity of the interactive actions (Hollebeek, Cadogan, & Fastoso, 2018; Juric et al., 2016). Some consumers may forgive brands easier, for previous unethical behavior or unsatisfactory service, when the risk of harm is not high. Other consumers become gradually displeased as the level of harm tends to rise (Riza & Sh., 2015). Loyal consumers expressing strong and deep attachment toward a brand may feel deceived and respond more intensely than others, so-called transactional consumers, who are not deeply connected with the brand (Grégoire & Fischer, 2008). Nonetheless, past research does not explain why consumers react with changing levels of engagement, or why they manifest negative engagement behaviors (Juric et al., 2016), given a large amount of possible events and contexts that motivate such attitude and actions toward the brand. The knowledge about the consequences of brand engagement is scarce, particularly the effects of negative engagement on the way consumers self-express their opinions and recommendations.

Cognitive dissonance theory is addressed in the literature as a way to explain why consumers express themselves negatively about a firm/brand/service after a negative experience has occurred. This theory is rooted in the notion that consumers may go through cognitive dissonance when brands are not able to deliver what consumers are expecting, or when a brand's general business causes concerns. When such events occur, consumers engage in NWOM as a way of decreasing the levels of cognitive dissonance. In doing so, consumers are able to persuade others about their choice of action (Balaji, Khong, & Chong, 2016).

In the current study, we follow Hollebeek's and Chen's (2014) suggestion to consider positive and negative engagement as two opposite sides of the same construct and adopt the scale proposed by Baldus et al. (2015, p. 979) for online brand community engagement and adapt it to negative engagement. The 11 dimensions may be grouped in six core facets (see Table 1):

- (i) Information. This facet deals with Up-to-date information and Validation: it represents the information that circulates between members and is exposed in the online community, as well as the validation of the information by peers.
- (ii) Social identification. By Self-expression and Like-minded experience a member identifies herself/himself with the brand and other members and regards others as similar to her/himself.
- (iii) Connection and influence. Here the members feel to be connected to some good thing bigger than themselves and perceive a certain degree of active influence on the brand. The sentences used for these two dimensions were slightly modified to be adapted to the context of Love and Hate brand communities.
- (iv) Interact with members. Helping and Seeking assistance are two dimensions that evidence the interaction among members. The former motive relates to helping other members by sharing knowledge, experience or even time while the latter is aimed at receiving assistance from the community.
- (v) Affection. This facet called Brand passion (Baldus et al., 2015) means an ardent positive affection a community member has for the brand. In the current study, a further facet representing Brand aversion, reflecting an ardent negative affection a community member has for the brand, is added. The intention hereby is to express the same intensity of feeling but in a negative way. Therefore, the same sentences of the scale developed by Baldus et al. (2015) for brand passion are used but changing words like "passion" to "aversion."
- (vi) Rewards. For the first time, hedonic (fun and enjoyment) and utilitarian (monetary rewards, prizes) rewards are also considered in this research. This is considered appropriate due to the evolution of the internet from an informational to a more transactional medium.

2.2. Consumption-focused self-expression word-of-mouth

Word-of-mouth (WOM) is a widely known concept employed to express recommendation to friends and family and advocate in favor of a brand or firm (e.g., Mazzarol, Sweeney, & Soutar, 2007; Zeithaml, Berry, & Parasuraman, 1996). Contributing to the complexity of the WOM concept, WOM communication toward a firm can be provided by a single individual once or several times or by various individuals once or at different times (Mazzarol et al., 2007). Unexpectedly, the incidence of positive word of mouth (PWOM) is significantly higher (three times) compared to negative word of mouth (NWOM) (East, Uncles, Romaniuk, & Hand, 2007). This is particularly prevalent at category level, while at brand level the frequency of NWOM may still exceed that of PWOM. PWOM is regarded to be caused by cognitive factors, while NWOM by emotional factors (Sweeney, Soutar, & Mazzarol, 2008).

Several conditions have been identified as facilitators rather than as motivators of WOM. One condition consists in the intention to promote a brand or firm due to positive perceptions developed over time. A different condition that acts as a facilitator is the closeness in the relationship

Table 1. Conceptualization of the dimensions of online engagement community

Core facets	Dimensions	Definition	Scale items
Information	Up-to-date Information	The degree to which a community member feels that the brand community helps them to stay informed or keep up-to-date with brand and product related information	Love/Hate brand community
			This brand community is my critical connection for new and important information about the brand and its products
			When I want up-to-date information about this brand, I look to this brand community
			This community keeps me on the leading edge of information about the brand
			This community is the best way to stay informed about new developments with this brand
	Validation	A community member's feeling of the extent to which other community members affirm the importance of their opinions, ideas, and interests.	Love/Hate brand community
			Receiving more affirmation of the value of my comments, makes me want to participate more in the brand community
			I feel good about myself when other community members share my ideas
			I appreciate when others agree with the ideas I express in this brand community
			When others support my ideas and opinions in this brand community, I feel better about myself
Social identification	Like-minded experience	The extent to which a community member is interested in talking with people similar to themselves about the brand.	Love/Hate brand community
			I look forward to discussing my opinions about the brand with others who share the same interest as me
			I enjoy conversing with people similar to myself in this brand community
			I look to this brand community when I want to discuss a topic with people who have similar interests

(Continued)

Table 1. (Continued)

Core facets	Dimensions	Definition	Scale items
			Having conversations with people in this brand community who share the same views about this brand is important to me
	Self-expression	The degree to which a community member feels that the community provides them with a forum where they can express their true interests and opinions.	Love/Hate brand community
			I feel that I can freely share my interests in the brand community
			I would express any opinion or idea I had about this brand in this brand community
			I can always be myself when interacting with others in this community
			This community makes it easy for me to express my true beliefs about the brand
Connection influence	Brand influence	The degree to which a community member wants to influence the brand.	Love community
			I am motivated to participate in this brand community because I can help improve the brand and its products
			I like to know that my comments and suggestions can influence the brand and its products
			Increasing the influence I have on the brand and its products makes me want to participate more in this brand community
			I hope to improve the brand or product through my participation and expression in this brand community
			Hate community
			I am motivated to participate in this brand community because I feel I can help damage the brand and its products
			I like to know that my comments and suggestions can influence the brand and its products, negatively
			Increasing the (negative) influence I have on the brand and its products makes me want to participate more in this community

(Continued)

Table 1. (Continued)

Core facets	Dimensions	Definition	Scale items
			I hope to damage the brand or product through my participation and expression in this brand community
	Connecting	The extent to which a community member feels that being a member of the brand community connects them to some good thing bigger than themselves.	Love community
			Increasing the strength of the connection I have with this brand community makes me want to participate more in the community
			Being part of this brand community makes me feel more connected to the brand
			Being part of this brand community makes me feel more connected to other consumers of the brand
			Hate community
			Increasing the strength of the connection I have with this brand community makes me want to participate more in the community
			Being part of this brand community makes me feel more connected to the brand
			Being part of this brand community makes me feel more connected to other anti-fans of the brand
			Love/Hate brand community
Interact with members	Helping	The degree to which a community member wants to help fellow community members by sharing knowledge.	I like participating in the brand community because I can use my experience to help other people
			I like to share my experience and knowledge with others in this brand community to help them be more educated about the brand
			I really like helping other community members with their questions
			I feel good when I can help answer other community member's questions

(Continued)

Table 1. (Continued)

Core facets	Dimensions	Definition	Scale items
	Seeking Assistance	The degree to which a community member wants to receive help from fellow community members who share their knowledge, experience, or time with them.	Love/Hate brand community
			I am motivated to participate in this brand community because I can receive help from other community members
			I am motivated to participate in this brand community because community members can use their knowledge to help me
			I like participating in this brand community because it gives me an opportunity to receive help from other community members
			It is important to me to be able to use this community to find answers to my questions about the brand
Affection	Brand passion	The ardent positive affection (love) a community member has for the brand.	I am motivated to participate in this brand community because I am passionate about the brand
			I participate in this brand community because I care about the brand
			I would not belong to this brand community if I did not have passion for the brand
			My passion for this brand's products makes me want to participate in this brand community
	Brand aversion	The ardent negative affection (hate) a community member has for the brand	I am motivated to participate in this brand community because I hate the brand
			I participate in this brand community because I care to expose the dark side of the brand
			I would not belong to this brand community if I did not have aversion for the brand
			My aversion for this brand's products makes me want to participate in this brand community

(Continued)

Table 1. (Continued)			
Core facets	Dimensions	Definition	Scale items
Rewards	Hedonic rewards	The degree to which the community member wants to gain hedonic rewards (e.g., fun, enjoyment, entertainment, friendly environment, and social status) through their participation in the community.	Love/Hate brand community
			I like participating in this brand community because it is entertaining
			Having fun is my main reason for participating in this brand community
			I participate in this brand community because I think it is fun
			I find participating in this brand community to be very entertaining
	Utilitarian rewards	The degree to which the community member wants to gain utilitarian rewards (e.g., monetary rewards, time savings, deals or incentives, merchandise, and prizes) through their participation in the community	Love/Hate brand community
			I am motivated to participate in this brand community because there's a possibility to earn money/prizes
			If it weren't for the money (or prizes), I wouldn't participate in this brand community
			Receiving more money (or prizes) makes me want to participate more in this brand community
Source: adapted from Baldus et al. (2015)			

between receiver and giver of WOM. This reflects the notion that WOM is mostly used between family and friends, and the theory of homophily (Mazzarol et al., 2007).

The advancement of electronic WOM (eWOM) has opened avenues for new forms of interactive marketing communication, instead of the limited traditional one-way communication between brands and consumers via mass communication channels (Kim, Wang, Maslowska, & Malthouse, 2016; Rialti et al., 2017). However, due to the similarity of traditional online and offline WOM concepts, characteristics that the literature has identified as important in traditional offline contexts can also be perceived as being relevant in an online environment (Dessart, Veloutsou, & Morgan-Thomas, 2015; Hennig-Thurau, Gwinner, Walsh, & Gremler, 2004). Yet, some researchers challenged this view suggesting that determinants and characteristics of offline WOM may lack appropriateness when trying to describe eWOM and its effects on consumer behavior (Fu, Ju, & Hsu, 2015). Fu et al. (2015) claim that online contexts have several events and aspects that are exclusive to such environments. This view is supported by Hennig-Thurau et al. (2004, p. 39) describing eWOM as “any positive or negative statement made by potential, actual, or former customers about a product or company, which is made available to a multitude of people and institutions via the Internet”. In particular, it differs from traditional word-of-mouth in three aspects: first, eWOM is presented in the written form, and it can be read; second, it exists in public online forums or websites, available for any user, consumer or brand to observe; third, once online, eWOM is electronically stored and can be used in the future (Kim et al., 2016). Summarizing, eWOM is a rapid and informal way of exchanging thoughts and experiences with other geographically dispersed consumers, concerning goods, brands, or services (Fu et al., 2015; Kim et al., 2016).

Indicating the usefulness of eWOM for individuals desiring to influence others, Sun, Youn, Wu, and Kuntaraporn (2006) hold that eWOM messaging is an activity of “online opinion leadership” in which people—mainly opinion leaders—affect the behavior, thoughts and attitudes of friends or others. In fact, consumers tend to trust more in opinions (positive and negative) found online than ads in mass media (Chu & Choi, 2011; Fu et al., 2015; Kim et al., 2016; Loureiro et al., 2017; Rialti et al., 2017). However, distinct from other previously discussed motivations to share WOM, is the consumption-focused self-expression motive: “the desire to communicate about one’s consumption activities for the purpose of expressing one’s self-concept and attracting attention to oneself” (Krishnamurthy & Kucuk, 2009, p. 960).

Consumers applying consumption-focused self-expression word-of-mouth (CSWOM) do not intend to affect other consumers’ purchase intentions or assist them in making consumption decisions (Kokkoris & Kühnen, 2015). CSWOM’s sole purpose is to inform others of that consumer’s consumption behavior, allowing herself/himself to be heard and to manifest her/his true self. In addition, those involved in spreading eWOM for self-expression do not seek to be perceived as experts or being more innovative when compared to others (Saenger et al., 2013).

The individuals engaged in CSWOM may also discuss that specific brand, to which they are loyal, without having any intent to influence that brand and its success. The action of commenting on liked brands works only as a way of communicating their self, therefore, meeting an emotional need rather than the desiring to influence the brand (Saenger et al., 2013). The degree to which individuals are motivated to engage in CSWOM is also dependent on personal characteristics (Pagani, Hofacker, & Goldsmith, 2011; Thorbjørnsen, Pedersen, & Nysveen, 2007). Since consumption-focused self-expression WOM has no desire to promote the brand, this type of word-of-mouth communication is regarded as one of the most influential and credible types of consumer-generated communications with brands (Saenger et al., 2013).

Consumers seem to participate in expressing negative WOM for several motives: (1) to look for advice on how to resolve the issue in question; (2) to prevent other consumers from undergoing the same experiences; (3) to react against the brand, its products or services; and (4) to express their frustration and anger by using NWOM as a way of decreasing cognitive dissonance (Kim et al.,

2016). In addition, consumers may engage in negative WOM in order to draw attention to the problem, which caused their dissatisfaction, with the goal of finding a solution, or as a method for anxiety reduction through venting negative emotions. However, the fact that consumers who experienced a negative event, that caused frustration or disappointment toward the brand, share their feelings online indicates that negative eWOM can be a relevant factor of response behavior (Verhagen, Nauta, & Feldberg, 2013). Underpinned by the cognitive dissonance theory, this study proposes that the fact that a consumer is negatively engaged with an online brand community may influence her/his self-expression word-of-mouth. Brand engagement is linked to consumers' use of brands to enhance self-expression of identity (Bergkvist & Bech-Larsen, 2010). Brand community integration impacts brand identification which, in turn, has an effect on consumer loyalty and WOM communications (Millán & Díaz, 2014). Whilst this identification increases community engagement, negative effects such as normative community pressure and reactance are also reported (Algesheimer et al., 2005; Hollebeek & Chen, 2014).

2.3. Hypotheses development

Past research has suggested that the result of customer engagement could be the brand usage intent (Hollebeek et al., 2014), or firm performance (Kumar et al., 2010; Kumar & Pansari, 2016) or even interactive outcomes such as word-of-mouth, loyalty, and consumer retention through customers' value co-creation (Verhoef et al., 2010). Brand usage intent means the intention to use and prefer the online brand that consumer is engaged instead of another brand. When consumers are engaged with some brand, he/she will be more willingness to keep use that brand and could also be more dedicated to express themselves through the brand by using word-of-mouth.

Regarding for performance, Kumar and Pansari (2016, p. 502) claim that if a customer is engaged with the firm, the customer will make purchases from the firm and will also provide referrals, which contribute to the firm profitability. We suggest that if the customer is willing to repeat the purchase and provide referrals, it is expected that she/he is also likely to be willing to express her/himself using word-of-mouth. Thus, customers engaged with a firm/brand feel somehow connected and identified with the firm/brand. This process of engagement leads customers to be more proactive in expressing themselves through word-of-mouth (Verhoef et al., 2010). They will talk about the products/brands they use to others (to expose their inner self) and get the attention of others, that is, self-expression word-of-mouth (Saenger et al., 2013). So, the influence of a member in the community (Algesheimer et al., 2005), the ardent affection for the brand (Albert et al., 2008), the feel of being connected to something good and talk with similar people to express opinions and impressions, share and receive up-to-date information, have fun, gain utilitarian rewards and have the opinions validated (Baldus et al., 2015) are all dimensions of being engaged to a brand community. Yet, what dimensions of online engagement could be more effective on CSWOM? We argue that the 11 dimensions of online engagement could enhance CSWOM at different levels of intensity. Therefore, we formulate the following hypotheses:

H1: The dimensions brand influence (H_{1a}) brand passion (H_{1b}), connecting (H_{1c}), helping (H_{1d}) like-minded discussion (H_{1e}), hedonic rewards (H_{1f}), utilitarian rewards (H_{1g}), seeking assistance (H_{1h}), self-expression (H_{1i}), up-to-date information (H_{1j}), and validation (H_{1l}) of online community engagement are related to members' consumption-focused self-expression WOM in love brand communities.

Hollebeek and Chen (2014) highlight that when in positive-valenced consumer engagement, consumers display high commitment toward an object (often, a brand), they are viewed as brand devotees, with a strong connection to the specific brand and engaged in co-creating value. Yet, the opposite could also happen through consumers' unfavorable brand-related feelings, thoughts and behaviors during the engagement process. In their conceptual model, Hollebeek and Chen

(2014) suggest that consumers to be negatively engaged with a brand and be equal proactively and passionately involved (feeling aversion) in a negative engagement as others could be in a positive engagement.

Cognitive dissonance theory is often addressed in the literature as a way to explain the reason by which consumers express themselves negatively about a firm/brand/service after a negative experience occurred. This theory is rooted in the notion that consumers may go through cognitive dissonance when brands are not able to deliver an offering what consumers are expecting, or when a brand's general business causes concerns. When such events occur, consumers engage in NWOM as a way of decreasing the levels of cognitive dissonance. In doing so, consumers are able to persuade others about their choice of action (Balaji et al., 2016).

Underpinned by this theory, this study proposes that the fact that a consumer is negatively engaged with an online brand community may influence his/her self-expression word-of-mouth. Brand engagement was linked to consumers' use of brands to enhance self-expression of identity (Bergkvist & Bech-Larsen, 2010). Brand community integration impacts brand identification which, in turn, has an effect on consumer loyalty and WOM communications. (Millán & Díaz, 2014). Yet, not all effects of identification with brand communities may be positive. Whilst this identification increases community engagement, negative effects such as normative community pressure and reactance were also reported (Algesheimer et al., 2005; Hollebeek & Chen, 2014). Thus, it is expected that members of a brand community could be engaged in a negative way to a certain brand. The dimensions of such negative engagement could be similar of those associated to positive engagement, except the passion for the brand, which we adapt to aversion for a brand. Consistent with the argumentation for the positive engagement, the dimensions of negative engagement could enhance CSWOM at different levels of intensity. Therefore, we propose the following hypotheses:

H2: The dimensions brand influence (H_{2a}) brand aversion (H_{2b}), connecting (H_{2c}), helping (H_{2d}) like-minded discussion (H_{2e}), hedonic rewards (H_{2f}), utilitarian rewards (H_{2g}), seeking assistance (H_{2h}), self-expression (H_{2i}), up-to-date information (H_{2j}), and validation (H_{2l}) of online community engagement are related to members' consumption-focused self-expression WOM in hate brand communities.

3. Methodology

3.1. Sample and procedure

Data were collected in 6 online brand communities, grouped in pairs with each pair belonging to a diverse brand and comprising respectively both valences: positive (love or fan) online brand community and negative (hate or antibrand) community. Hate or anti-brand communities are online spaces that focus negative attention on a specific targeted brand (Bailey, 2004; Krishnamurthy & Kucuk, 2009). Accordingly, a love brand community is considered an online space that focuses positive attention on a specific targeted brand. The three major brands were investigated as follows: Starbucks, Apple, and McDonald's, each brand with a love and a hate brand community. These brands were systematically ranked as top global brands (Interbrand) or top performers on annual growth (Interbrand, 2017) and attracted mixed publicity. The selection of those brands meet the following criteria, by order of importance: (1) the brand must have an official or/unofficial online brand community that mostly displays positive/negative word-of-mouth (online community); (2) each brand should have at least one love (fan) brand community and one hate (antibrand) online community (completely independent from one another) different from the others as well as the social website in which it is posted; (3) the brand's online communities should reveal activity (i.e., posts, comments, reviews); and (4), if possible, the total amount of brands in the study should represent no less than two industries.

In the current study, it seemed a promising route to search for brand communities by following the procedure of Krishnamurthy and Kucuk (2009). Thus, queries were used to identify love and hate brand communities, using positive and negative terms and the name of the brand such as: “anti,” “hate,” “sux,” “bad,” “watch,” “blow,” “sucks,” “love,” “super,” “great,” “good,” “my,” “adoration,” and “fan.” The *raison d’être* is to find brand communities devoted to positive/negative and favorable/unfavorable comments about the brand, depending if it is a love or a hate brand community. Thus, the researchers visit each online community to analyse its characteristics and uniqueness.

The selected communities were contacted by researchers and we asked permission to the coordinator of each community to spread the questionnaire anonymously. We also explained the aim of the research and the need to get a sample representative of the members of the community in terms of age and gender.

A total of 600 fully completed and usable questionnaires (after excluding those with missing values, inconsistent responses or extreme multivariate outliers) were collected, 300 from love brand communities (fan communities) and another 300 from hate brand communities (anti-brand communities) of the same three brands (split equally for the three brand communities).

3.2. Measures

The questionnaire was prepared in English. The dimensions for online brand community engagement were adapted from Baldus et al. (2015) with the support of marketing researchers and brand consultants. Given its unique characteristics and applicability, the same scale was used to assess the responses of negative engagement in online communities. Specific modifications were made that allowed for context and valence adaptation while retaining the essence and reasoning of the original item possibly being lost in the transformation (from positive to negative). In order to measure consumption-focused self-expression WOM, six items adapted from Saenger et al. (2013) were employed (“I like to talk about products/brands, so people can get to know me better”; “I like the attention I get when I talk to people about product/brands”; “I talk to people about my consumption/anti-consumption activities to let them know more about me”; “I like to communicate my consumption/anti-consumption activities to people who are interested in knowing about me”; “I like the idea that people want to learn more about me through my consumption/anti-consumption activities”; “I like it when people pay attention to what I say about my consumption activities”).

The questionnaire was pretested with 10 consumers, and only a few adjustments needed to be made in order to improve the flow of the survey and clarify any misunderstanding. After that, the questionnaire was distributed to the brand communities contacted by the authors (authors asked permission to collect data and explained the purpose of the research). All scale items were evaluated using a Likert-type, ranging from 1 (one) to 7 (seven) were: 1—Strongly disagree; 2—Mostly disagree; 3—Somewhat disagree; 4—Neither agree nor disagree; 5—Somewhat agree; 6—Mostly agree; 7—Strongly agree. The questionnaire also contained socio-demographic variables and those to characterize the participants (number of hours, on average, spent on the internet per week; number of posts, on average, per week; on a scale from 0 (I hate it) to 10 (I love it), what do you feel about the brand x?).

4. Results

With regards to the sample of participants from the love brand communities, 40% are female and 60% male. Most of the participants are between 21 and 30 years old (69.71%) ($M = 26.41$, $SD = 5.66$). The average number of hours using the Internet per week is 37.03 ($SD = 17.11$). The average number of posts per week and per participant is 2.53 ($SD = 4.62$). Having asked how participants felt about the brand on a scale from 0 (I hate it) to 10 (I love it), the average value is 7.43 ($SD = 1.61$).

Considering the participants of the hate brand communities, 22.70% are female, and 77.30% are male. Most participants are between 21 and 30 years old (59.00%) ($M = 29.35$, $SD = 7.66$). The average number of hours using the Internet per week is 34.24 ($SD = 11.27$). The average number of posts per week and per participant is 2.53 ($SD = 4.62$). Having asked how participants felt about the brand on a scale from 0 (I hate it) to 10 (I love it), the average value is 0.91 ($SD = 1.10$).

In both types of brand communities, participants have several different nationalities, such as the United States, the United Kingdom, Canada, Australia, South Africa, India, Belgium, Philippines, Argentine, Portugal, and Spain. The proportion of participants of both genders in the two samples is representative of the number of community members.

The assumptions for multiple linear regression (such as normality, multicollinearity, autocorrelation) were tested followed by the estimation using SPSS23). The hierarchical multiple regression is selected because this allows for a fixed order of entry of variables in order to control for the effects of covariates or to test the effects of certain predictors independent of the influence of others. All participants in both types of communities use or have already experienced the brands on which they comment.

Table 2 shows the descriptive statistics of the variables as well as the convergent validity and reliability values. The values of AVE (Average Variance Extracted) are above 0.5, indicating that most of the variance of each indicator (item) is explained by its own construct (Kleijnen, Ruyter, & Wetzels, 2007). All Cronbach's alpha values are above the recommended threshold of 0.7 (Nunnally, 1978).

In addition, a confirmatory factorial analysis (CFA) (see Table 3) of the engagement scales using Lisrel 8.80 was conducted. The CFA of the scale for love online brand engagement offers an excellent fit to the data ($\chi^2 = 1410$, $df = 725$; NNFI = 0.95; CFI = 0.92; RMSEA = 0.07). The same good fit is recognized for hate online brand engagement ($\chi^2 = 2062$, $df = 764$; NNFI = 0.90; CFI = 0.91; RMSEA = 0.08).

Table 2. Descriptive statistics and reliability

Construct	Love communities				Hate communities			
	Mean	SD	AVE	Cronbach Alpha	Mean	SD	AVE	Cronbach Alpha
CSWOM	4.22	1.52	0.74	0.96	4.37	1.35	0.77	0.94
Brand influence	4.82	1.49	0.84	0.95	3.86	1.45	0.65	0.88
Helping	3.94	1.60	0.88	0.97	4.79	1.51	0.82	0.95
Rewards(hedonic)	4.55	1.84	0.91	0.98	4.68	1.52	0.63	0.94
Rewards(utilitarian)	4.25	1.78	0.91	0.96	3.71	1.52	0.64	0.95
Up-to-date information	4.07	1.66	0.90	0.97	3.60	1.35	0.86	0.96
Brand passion/Brand aversion	5.27	1.45	0.83	0.95	6.32	0.83	0.79	0.92
Connecting	4.70	1.57	0.87	0.95	3.62	1.03	0.57	0.80
Like-minded discussion	4.55	1.83	0.90	0.97	4.17	1.70	0.88	0.97
Seeking Assistance	3.99	1.93	0.91	0.98	4.94	1.47	0.78	0.93
Self-expression	4.70	1.43	0.86	0.96	5.31	1.17	0.80	0.94
Validation	4.96	1.56	0.89	0.97	4.72	1.53	0.88	0.97

Note: SD Standard deviation

Table 3. Model fit

Love online brand engagement			
NNFI = 0.95	$\chi^2 = 1410$, df = 725	CFI = 0.92	RMSEA = 0.07
Hate online brand engagement			
NNFI = 0.90	$\chi^2 = 2062$, df = 764	CFI = 0.91	RMSEA = 0.08

Hierarchical regression analysis was used to test the hypotheses. Hierarchical regression analysis is a way to show if some dimensions of online brand engagement explain a statistically significant amount of variance of self-expression word-of-mouth after accounting for all other dimensions. Thus, several regression models were built by adding variables to a previous model at each step. The underlying interest is to determine whether newly added dimensions show a significant improvement in R^2 . This framework is considered more adequate for the purpose of the current study because it facilitates understanding on what are the most statistically significant dimensions in influencing self-expression word-of-mouth. Furthermore, amongst the not statistically significant dimensions, those who are still significant when not considering the most significant could be identified.

Table 4 reveals that Helping, Seeking assistance, and Self-expression are not statistically significant in explaining online community engagement in love brand communities (for those, who are a brand fans). Brand passion, Rewards (hedonic), Rewards (utilitarian) and Validation account for extra 12.6% of the variance in CSWOM. In fact, Brand passion ($\beta = 0.53$, $p < 0.001$) and Validation ($\beta = 0.22$, $p < 0.001$) are the most significant predictors of CSWOM in love communities, and so H_{1b} , H_{1f} , H_{1g} and H_{1l} are supported. The hypotheses H_{1a} , H_{1c} , H_{1e} , and H_{1j} are supported only when the dimensions of brand passion, hedonic rewards, utilitarian rewards, and validation are not presented. The other hypotheses are not supported.

Table 5 shows that Validation is not statistically significant in explaining online community engagement in hate brand communities (for those, who are in antibrand communities). Brand influence, Helping, Connecting, Rewards (hedonic), and Rewards (utilitarian) account for extra 29.2% of the variance in CSWOM. Actually, Brand influence ($\beta = 0.364$, $p < 0.001$), Brand aversion ($\beta = 0.447$, $p < 0.001$) and Rewards (hedonic) ($\beta = 0.243$, $p < 0.001$) are the most significant predictors of CSWOM in hate communities, and so H_{2a} , H_{2b} , H_{2c} , H_{2f} , and H_{2g} are supported. The hypotheses H_{2d} , H_{2e} , H_{2h} , H_{2i} , and H_{2j} are supported only when the dimensions of brand passion, brand aversion, connecting, hedonic rewards, and utilitarian rewards are not presented. The hypothesis H_{2l} is not supported.

5. Conclusions

In sum, the valence love/hate does not mean that the same drivers contribute to the CSWOM process. Lovers are more motivated by emotions, passion, and validation, and haters want to spread their negative knowledge about a brand but also contribute to influence the brand to change the behavior or improve the features of the product and get fun in making those comments. Those members that really have an aversion toward the brand tend to be more active than those that merely do not like or are neutral about the brand.

5.1. Discussion

The results of the current study show the strength of dimensionalities of engagement on CSWOM for love versus hate online brand communities. Both hypotheses are partially supported. For those who participate in the communities of love for Starbucks, Apple, and McDonald's, Brand passion, Rewards (hedonic), Rewards (utilitarian), and Validation are the most significant predictors to generate CSWOM.

Table 4. Summary of hierarchical regression analysis for variables predicting CSWOM: love brand communities

	Model 1			Model 2		
Construct	B	Std. Error	Beta	B	Std. Error	Beta
(Constant)	0.06	0.23		0.03	0.24	
Brand influence	0.19	0.04	0.19***	0.09	0.05	0.09 ns
Connecting	0.29	0.07	0.31***	0.04	0.07	0.05 ns
Helping	0.05	0.06	0.06 ns	0.04	0.05	0.05 ns
Like-minded discussion	0.12	0.06	0.15*	0.08	0.05	0.10 ns
Seeking assistance	0.03	0.05	0.04 ns	0.02	0.04	0.02 ns
Self-expression	0.07	0.07	0.07 ns	0.08	0.06	0.08 ns
Up-to-date information	0.16	0.05	0.18***	0.06	0.04	0.07 ns
Brand passion				0.53	0.05	0.51***
Rewards (hedonic)				−0.17	0.06	−0.21***
Rewards (utilitarian)				−0.18	0.04	−0.21***
Validation				0.22	0.06	0.23***
R ²		0.58			0.71	
Adjusted R ²		0.57			0.70	
ΔR ²		0.58			0.13	
ΔF		67.30***			36.19***	

Note: * $p < 0.05$, *** $p < 0.001$, ns not significant

The process to develop a passion for the brand and the community not only engages fans with the community but also leads them to be brand captives by developing strong ties with the brand. The ardent affection a community member has for the brand (Baldus et al., 2015) is, indeed, a strong engagement mechanism to enhance the continuity of the consumer-brand relationship. Consistently, Batra et al. (2012) and Albert et al. (2008) have already stressed the strength of the passionate desire, the harmony between consumers and their loved brands as a core factor to love a brand, reflecting higher-arousal and hotter aspects of brand love.

Community members do not use the comments and posts in the online love brand community to get enjoyment and entertainment, and they also do not expect to receive deals, incentives, merchandise, prizes. They want that their opinions and ideas are favorably validated by other members of the community. Validation or the favorable evaluation of the opinions, ideas, and interests by other members of the community reinforce the passion and the positive emotions between a brand and the consumers through the relationships established among the community members. From the findings, a core triad crystallizes that contributes to being continuously engaged in a love brand community. Yet, in the study of Baldus et al. (2015) brand passion, utilitarian and validation were not drivers of participation intention. This study is more aligned with other more conceptual past research (e.g., Algesheimer et al., 2005; Hennig-Thurau et al., 2004) suggesting passion for a brand and the validation of their opinions by others to be motivational for proactive participation. When the dimensions of brand passion, rewards and validation are not considered, brand influence, connecting, and like-minded discussion emerge as significant influencers of CSWOM. Therefore, participants in love brand communities want to talk with people similar to themselves, influence the brand and consider the connection a very positive process.

Table 5. Summary of hierarchical regression analysis for variables predicting CSWOM: hate brand communities

Construct	Model 1			Model 2		
	B	Std. Error	Beta	B	Std. Error	Beta
(Constant)	2.594	0.326		-2.059	0.594	
Helping	0.174	0.090	0.174*	-0.039	0.078	-0.043 ns
Like-minded discussion	-0.483	0.072	-0.483***	-0.154	0.081	-0.193*
Seeking assistance	-0.188	0.055	-0.188***	0.064	0.050	0.070 ns
Self-expression	0.525	0.077	0.525***	0.041	0.071	0.035 ns
Up-to-date information	0.168	0.053	0.168**	0.077	0.042	0.077 ns
Validation	0.103	0.077	0.103 ns	0.000	0.064	0.000 ns
Brand influence				0.340	0.050	0.364***
Brand aversion				0.734	0.075	0.447***
Connecting				-0.228	0.100	-0.174**
Rewards (hedonic)				0.216	0.051	0.243***
Rewards (utilitarian)				0.081	0.037	0.091**
R ²		0.26			0.55	
Adjusted R ²		0.25			0.54	
ΔR ²		0.26			0.29	
ΔF		20.25***			44.30***	

Note: * $p < 0.10$, ** $p < 0.05$, *** $p < 0.001$, ns not significant

Regarding hate brand communities, the significant relationships between hedonic rewards and CSWOM and utilitarian rewards and CSWOM are remarkable. Hedonic rewards is a dimension related to positive emotions (e.g., fun, enjoyment, entertainment, friendly environment, and social status) gathered through participation in the community and utilitarian rewards associated to incentives, merchandise and prizes are crucial to motivate members to express themselves through word-of-mouth. Even so, when comparing hedonic rewards and utilitarian rewards, the latter seem to be less effective on CSWOM than the former. This confirms the study results of Baldus et al. (2015) that community members are more concerned with fun and entertainment that come from posting comments on brand communities than getting money or other utilitarian rewards from the comments about their consumption. Similarly, Mousavi, Roper, and Keeling (2017) highlighted the importance of cultivating affective commitment in order to develop brand commitment and make consumers more immune to negative information.

Brand aversion is another dimension that encourages members to participate. Although further studies are needed to consolidate this finding, the current study reveals, for the first time, that rewards and passion/aversion are important engagement dimensions creating in members the desire to express themselves about brands (positively or negatively) (Prentice & Loureiro, 2018). Interestingly, the dimension validation is not so important as it is in the case of love brand communities. Members of hate brands communities want to influence the brands and are not so interested in getting their opinions about the brand validated by other members. Rather, brand influence or the degree to which a community member wants to influence the brand is very important for the haters; they like to influence, be provocative and change brand behavior. This dimension is reinforced by brand aversion meaning the opposite of being in love with a brand. Members of this kind are disgusted with the brand or even hate it and perceive hedonic rewards

reflecting the entertainment and fun participants have when posting comments and talking about the brand. In other words, those who hate the brand, want to influence it and feel emotional rewards hating the brand, tend to be more active in writing comments about it.

When members of hate brand communities increase the strength of their connection with the brand, they tend to be less engaged in talking and writing comments about the brand and their consumption activities. Similar to Connecting, Like-minded discussion is another dimension negatively related with CSWOM. This means that those who enjoy talking with others similar in the brand community do not tend to talk about their consumption activities. Although the strength of Seeking Assistance exerts less influence than Connection and Like-minded discussion on CSWOM, this dimension has a more negative effect as the other two. Thus, in hate brand communities, members are not proactive in receiving help from fellow community members. Rather, they prefer to express their negative thoughts about the brand and get some up-to-date information provided by other members.

The topic of social influence of brand communities has been discussed in other studies (e.g., Algesheimer et al., 2005; Dholakia et al., 2004; Prentice & Loureiro, 2018) but, as far as we know, this research is the first attempt to significantly associate this dimension with participating in hate brand communities. Effectively, it could be elicited that members of hate brand communities desire to express themselves in a negative way using the online platform and view that online site a forum where they can express their negative opinion and socialize with other members as suggested by Wallace, Buil, and de Chernatony (2014).

Helping emerges as an important dimension only when the core dimensions (brand influence, brand aversion, rewards, and connecting) are not considered. This means that a community member would like to help fellow community members by sharing knowledge, experience, or time. Therefore, helping is not the priority among those who like to comment on brands and their experience of consumption.

In sum, affection (love/passion) is the main motivational factor that leads community members of both types to become active in commenting and writing reviews about the brands. Regarding brand love communities, information (validations and up-to-date information), as well as connection and brand influence are other important motivational factors. On the other hand, in hate brand communities, Connecting negatively influences on CSWOM, but brand influence has a positive effect on CSWOM.

Although more studies on this topic are called for, it seems that utilitarian rewards are not a mandatory dimension of engagement. Managers of online communities should provide opportunities for sharing positive experiences and create positive engaging experiences (e.g., Innocent big knit campaign to raise money for Age UK). Vice versa, managers of brand communities should not be concerned with preparing and attributing utilitarian rewards (e.g., monetary rewards, time savings, deals or incentives, merchandise, and prizes).

In hate brand communities, members feel rewarded when posting negative opinions about the brand. Moreover, they tend to enjoy such action. They have a negative image and feelings about the brand, and so they want to influence the brand through their negative comments and believe that they are helping others in doing so. Brand managers are advised to be aware and follow the posts and comments made by members of hate communities in order to improve their products. Eventually hate brand community member might become more pro-active in the co-creation process than members involved in love brand communities.

5.2. Managerial implications

Overall, it is recommended that brand managers should be aware that both, positive and negative emotions flourish in the online communities. Emotions in online communities need to be carefully

managed, as annoyance with fan pages may generate negative WOM among online brand community members (Hutter, Hautz, Dennhardt, & Füller, 2013).

In a positive way, brand community members want to express their ideas or opinions and socialize with others, get information, and influence the brand. A member of a love brand community feels that she/he is involved with a group committed to some good thing bigger than themselves (the brand). In a negative way, members want to expose their negative thoughts and feelings about the brand to others, they enjoy to do that and they think they're helping others doing that.

Thus, brand managers should analyze the information gathered from both types of communities in order to raise the brand, but, at the same time, be able to not become influenced by some reviews that purely express emotion without contributing to improve the products behind the brand. Furthermore, it is recommended that brand managers should understand the situations/experiences causing a negative feeling about the brand. Managers should understand how long the passion could go; if a passionate member could become a hating one and what the tipping point could be.

The emotional connection and the openness to expose opinions are key aspects to involve customers with the brand. Thus, it is suggested that brand managers should involve members of both types of communities in their co-creation process of new products/services.

5.3. Theoretical implications

Regarding theoretical implications, the findings extend the previous studies on online engagement (e.g., Algesheimer et al., 2005; Baldus et al., 2015; Hollebeek & Chen, 2014) by taking a first step in testing the effect of dimensions of an engagement scale with two valences on self-expression word-of-mouth. Another contribution is to enhance understanding on which dimensions of online engagement, proposed by Baldus et al. (2015) adapted to the current study, are more effective on love and which ones are more relevant for hate brand communities.

In this vein, similarities and differences of engagement in both types of communities were analyzed. The value of this research is to give insights about which dimensions of negative and positive engagement have greater impact on CSWOM.

5.4. Limitations and further research

The anonymous questionnaire was created based on previous studies and prepared in order to avoid bias. Even so, the study has limitations, and other studies should be conducted in future to validate the findings. For instance, the love and hate brand communities aggregate members of different countries, and so some differences could emerge depending on the national cultures. The levels of cultural dimensions such as collectivism or uncertainty avoidance (more data are needed to understand this issue) could necessitate a differentiation of the findings.

Other variables are suggested to be analyzed together with online engagement and self-expression such as word-of-mouth. For instance, the perception of country-of-origin of the brand could positively or negatively influence brand image and the willingness to participate in love/hate brand communities. A further suggestion is to design a study investigating the tipping point changing a brand lover to a brand hater.

Future studies should increase understanding on how negative reviews and comments posted in hate brand communities can influence the purchase behavior of consumers over time, especially, what expressions written in hate brand communities could cause greater damage in the brand image.

Funding

This research is supported by a grant from the Fundação para a Ciência e Tecnologia [UID/GES/00315/2013].

Author details

Sandra Maria Correia Loureiro¹

E-mail: sandramloureiro@netcabo.pt

ORCID ID: <http://orcid.org/0000-0001-8362-4430>

Hans Rüdiger Kaufmann^{2,3}

E-mail: hans-ruediger.kaufmann@hdwm.org

¹ Marketing, Operations and General Management Department, Instituto Universitário de Lisboa (ISCTE-IUL), Business Research Unit (BRU/UNIDE), Lisbon, Portugal.

² University of Applied Management Studies, Mannheim.

³ University of Nicosia, Nicosia, Cyprus.

Citation information

Cite this article as: The role of online brand community engagement on positive or negative self-expression word-of-mouth, Sandra Maria Correia Loureiro & Hans Rüdiger Kaufmann, *Cogent Business & Management* (2018), 5: 1508543.

References

- Albert, N., Merunka, D., & Valette-Florence, P. (2008). When consumer love their brand: Exploring the concept and its dimensions. *Journal of Business Research*, 61(10), 1062–1075. doi:10.1016/j.jbusres.2007.09.014
- Algesheimer, R., Dholakia, U. M., & Herrmann, A. (2005). The social influence of brand community: Evidence from European car clubs. *Journal of Marketing*, 69(3), 19–34. doi:10.1509/jmkg.69.3.19.66363
- Bailey, A. A. (2004). Thiscompanysucks.com: The use of the internet in negative consumer-to-consumer articulations. *Journal of Marketing Communications*, 10(3), 169–182. doi:10.1080/1352726042000186634
- Balaji, M., Khong, K. W., & Chong, A. Y. (2016). Determinants of negative word-of-mouth communication using social networking sites. *Information & Management*, 53, 528–540. doi:10.1016/j.im.2015.12.002
- Baldus, B. J., Voorhees, C., & Calantone, R. (2015). Online brand community engagement: Scale development and validation. *Journal of Business Research*, 68(5), 978–985. doi:10.1016/j.jbusres.2014.09.035
- Batra, R., Ahuvia, A., & Bagozzi, R. P. (2012). Brand love. *Journal of Marketing*, 76(2), 1–16. doi:10.1509/jm.09.0339
- Beckers, S. F. M., van Doorn, J., & Verhoef, P. C. (2018). Good, better, engaged? The effect of company-initiated customer engagement behavior on shareholder value. *Journal of the Academy of Marketing Science*, 46(3), 366–383. doi:10.1007/s11747-017-0539-4
- Bergkvist, L., & Bech-Larsen, T. (2010). Two studies of consequences and actionable antecedents of brand love. *Journal of Brand Management*, 17(7), 504–518. doi:10.1057/bm.2010.6
- Brodie, R. J., Hollebeek, L., Jurić, B., & Ilić, A. (2011). Customer engagement: Conceptual domain, fundamental propositions, and implications for research. *Journal of Service Research*, 14(3), 252–271. doi:10.1177/1094670511411703
- Brodie, R. J., Ilić, A., Juric, B., & Hollebeek, L. (2013). Consumer engagement in a virtual brand community: An exploratory analysis. *Journal of Business Research*, 66(1), 105–114. doi:10.1016/j.jbusres.2011.07.029
- Calder, B. J., Malthouse, E. C., & Schaedel, U. (2009). An experimental study of the relationship between online engagement and advertising effectiveness. *Journal of Interactive Marketing*, 23(4), 321–331. doi:10.1016/j.intmar.2009.07.002
- Chan, T. K., Zheng, X., Cheung, C. M., Lee, M. K., & Lee, Z. W. (2014). Antecedents and consequences of customer engagement in online brand communities. *Journal of Marketing Analytics*, 2(2), 81–97. doi:10.1057/jma.2014.9
- Chu, S.-C., & Choi, S. M. (2011). Electronic word-of-mouth in social networking sites: A cross-cultural study of the United States and China. *Journal of Global Marketing*, 24(3), 263–281. doi:10.1080/08911762.2011.592461
- Churchill, G. A. (1979). A paradigm for developing better measures of marketing constructs. *Journal of Marketing Research*, 16(1), 64–73. doi:10.2307/3150876
- Chylinski, M., & Chu, A. (2010). Consumer cynicism: Antecedents and consequences. *European Journal of Marketing*, 44(6), 796–837. doi:10.1108/03090561011032720
- Dessart, L., Veloutsou, C., & Morgan-Thomas, A. (2015). Consumer engagement in online brand communities: A social media perspective. *Journal of Product & Brand Management*, 24(1), 28–42. doi:10.1108/JPBM-06-2014-0635
- Dholakia, U. M., Bagozzi, R. P., & Pearo, L. K. (2004). A social influence model of consumer participation in network- and small-group-based virtual communities. *International Journal of Research in Marketing*, 21(3), 241–263. doi:10.1016/j.ijresmar.2003.12.004
- Dolan, R., Conduit, J., & Fahy, J. (2016). Social media engagement: A construct of positively and negatively valenced engagement behaviours. In R. J. Brodie, L. D. Hollebeek, & J. Conduit (Eds.), *Customer engagement: Contemporary issues and challenges* (pp. 96–117). London: Routledge.
- East, R., Uncles, M. D., Romaniuk, J., & Hand, C. (2007). The decay of positive and negative word of mouth after product experience. *Australasian Marketing Journal (AMJ)*, 22(4), 350–355. doi:10.1016/j.ausmj.2014.10.001
- Franzak, F., Makarem, S., & Jae, H. (2014). Design benefits, emotional responses, and brand engagement. *Journal of Product & Brand Management*, 23(1), 16–23. doi:10.1108/JPBM-07-2013-0350
- Fu, J.-R., Ju, P.-H., & Hsu, C.-W. (2015). Understanding why consumers engage in electronic word-of-mouth communication: Perspectives from theory of planned behavior and justice theory. *Electronic Commerce Research and Applications*, 14, 616–630. doi:10.1016/j.eierap.2015.09.003
- Gagné, M. (2003). The role of autonomy support and autonomy orientation in prosocial behavior engagement. *Motivation & Emotion*, 27(3), 199–223. doi:10.1023/A:1025007614869
- Grégoire, Y., Salle, A., & Tripp, T. M. (2015). Managing social media crises with your customers: The good, the bad, and the ugly. *Business Horizons*, 58(2), 173–182. doi:10.1016/j.bushor.2014.11.001
- Gupta, S., Pansari, A., & Kumar, V. (2018). Global customer engagement. *Journal of International Marketing*, 26(1), 4–29. doi:10.1509/jim.17.0091
- Halaszovich, T., & Nel, J. (2017). Customer–Brand engagement and Facebook fan-page “Like”-intention. *Journal of Product & Brand Management*, 26(2), 120–134. doi:10.1108/JPBM-02-2016-1102
- Hennig-Thurau, T., Gwinner, K., Walsh, G., & Grewler, D. (2004). Electronic word-of-mouth via consumer-

- opinion platforms: What motivates consumers to articulate themselves on the internet? *Journal of Interactive Marketing*, 18(1), 38–52. doi:10.1002/dir.10073
- Hollebeek, L. D., Cadogan, J. W., & Fastoso, F. (2018). Individual-level cultural consumer engagement styles: Conceptualization, propositions & implications. *International Marketing Review*, 36(1), 42–71. doi:10.1108/IMR-07-2016-0140
- Hollebeek, L. D., & Chen, T. (2014). Exploring positively-versus negatively-valenced brand engagement: A conceptual model. *Journal of Product and Brand Management*, 23(1), 62–74. doi:10.1108/JPBM-06-2013-0332
- Hollebeek, L. D., Glynn, M., & Brodie, R. J. (2014). Consumer brand engagement in social media: Conceptualization, scale development and validation. *Journal of Interactive Marketing*, 28(2), 149–165. doi:10.1016/j.intmar.2013.12.002
- Hutter, K., Hautz, J., Dennhardt, S., & Füller, J. (2013). The impact of user interactions in social media on brand awareness and purchase intention: The case of MINI on Facebook. *Journal of Product & Brand Management*, 22(5/6), 342–351. doi:10.1108/JPBM-05-2013-0299
- Interbrand. (2017). 2016 best global brands report. Retrieved May 20, 2017, from <http://interbrand.com/best-brands/best-global-brands/2016/>
- Juric, B., Smith, S. D., & Wilks, G. (2016). Negative customer brand engagement: An overview of conceptual and blog-based findings. In R. J. Brodie, L. D. Hollebeek, & J. Conduit (Eds.), *Customer engagement: Contemporary issues and challenges* (pp. 278–294). London: Routledge.
- Kaltcheva, V. D., Patino, A., Laric, M. V., Pitta, D. A., & Imparato, N. (2014). Customers' relational models as determinants of customer engagement value. *Journal of Product & Brand Management*, 23(1), 55–61. doi:10.1108/JPBM-07-2013-0353
- Kaufmann, H. R., Loureiro, S. M. C., & Manarioti, A. (2016). Exploring behavioural branding, brand love and co-creation. *Journal of Product and Brand Management*, 25(6), 516–526. doi:10.1108/JPBM-06-2015-0919
- Kim, S. J., Wang, R. J.-H., Maslowska, E., & Malthouse, E. C. (2016). "Understanding a fury in your words": The effects of posting and viewing electronic negative word-of-mouth on purchase behaviors. *Computers in Human Behavior*, 54, 511–521. doi:10.1016/j.chb.2015.08.015
- Kleijnen, M., Ruyter, K., & Wetzels, M. (2007). An assessment of value creation in mobile service delivery and the moderating role of time consciousness. *Journal of Retailing*, 83(1), 33–46. doi:10.1016/j.jretai.2006.10.004
- Kokkoris, M. D., & Kühnen, U. (2015). You are (not only) what you choose: A self-expression account of post-choice dissonance. *Motivation & Emotion*, 39(1), 34–48. doi:10.1007/s11031-014-9430-5
- Krishnamurthy, S., & Kucuk, S. U. (2009). Anti-branding on the internet. *Journal of Business Research*, 62(11), 1119–1126. doi:10.1016/j.jbusres.2008.09.003
- Kucuk, S. U. (2008). Negative double jeopardy: The role of anti-brand sites on the internet. *Journal of Brand Management*, 15(3), 209–222. doi:10.1057/palgrave.bm.2550100
- Kumar, V., Aksoy, L., Donkers, B., Venkatesan, R., Wiesel, T., & Tillmanns, S. (2010). Undervalued or overvalued customers: Capturing total customer engagement value. *Journal of Service Research*, 13(3), 297–310. Retrieved from <https://doi.org/10.1177/1094670510375602>
- Kumar, V., & Pansari, A. (2016). Competitive advantage through engagement. *Journal of Marketing Research*, 53(4), 497–514. doi:10.1509/jmr.15.0044
- Lau, G. T., & Ng, S. (2001). Individual and situational factors influencing negative word-of-mouth behavior. *Canadian Journal of Administrative Sciences*, 18(3), 163–178. doi:10.1111/j.1936-4490.2001.tb00253.x
- Li, L. P., Juric, B., & Brodie, R. J. (2018). Actor engagement valence: Conceptual foundations, propositions and research directions. *Journal of Service Management*, 29(3), 491–516. doi:10.1108/JOSM-08-2016-0235
- Loureiro, S. M. C. (2015). Loving and hating brands: Multiple relationships between consumers and brands. In H.-R. Kaufmann (Ed.), *Handbook of research on managing and influencing consumer behavior, chapter 18* (pp. 417–438). (Section 3: Achieving Consumer "Involvement": A Multidisciplinary Effort). Hershey, PA: IGI Global. doi:10.4018/978-1-4666-6547-7.ch018
- Loureiro, S. M. C., Gorgus, T., & Kaufmann, H. R. (2017). Antecedents and outcomes of online brand engagement. *Online Information Review*, 41(7), 985–1005. doi:10.1108/OIR-08-2016-0236
- Loureiro, S. M. C., Maximiano, M., & Panchapakesan, P. (2018). Engaging fashion consumers in social media: The case of luxury brands. *International Journal of Fashion Design, Technology and Education*, 38, 1–12. doi:10.1080/17543266.2018.1431810
- Mazzarol, T., Sweeney, J. C., & Soutar, G. N. (2007). Conceptualizing word-of-mouth activity, triggers and conditions: An exploratory study. *European Journal of Marketing*, 41(11/12), 1475–1494. doi:10.1108/03090560710821260
- McAlexander, J. H., Schouten, J. W., & Koenig, H. F. (2002). Building brand community. *Journal of Marketing*, 66(1), 38–54. doi:10.1509/jmkg.66.1.38.18451
- Millán, Á., & Díaz, E. (2014). Analysis of consumers' response to brand community integration and brand identification. *Journal of Brand Management*, 21(3), 254–272. doi:10.1057/bm.2014.4
- Mousavi, S., Roper, S., & Keeling, K. A. (2017). Interpreting social identity in online brand communities: Considering posters and lurkers. *Psychology & Marketing*, 34(4), 376–393. doi:10.1002/mar.20995
- Muñiz, A. M., Jr., & O'Guinn, T. C. (2001). Brand community. *Journal of Consumer Research*, 27(4), 412–432. doi:10.1086/319618
- Nunnally, J. C. (1978). *Psychometric theory*. New York, NY: McGraw-Hill.
- Pagani, M., Hofacker, C. F., & Goldsmith, R. E. (2011). The influence of personality on active and passive use of social networking sites. *Psychology & Marketing*, 28(5), 441–456. doi:10.1002/mar.20395
- Pansari, A., & Kumar, V. (2017). Customer engagement: The construct, antecedents, and consequences. *Journal of the Academy of Marketing Science*, 45(3), 294–311. doi:10.1007/s11747-016-0485-6
- Plé, L., & Chumpitaz, R. (2010). Not always co-creation: Introducing interactional co-destruction of value in service-dominant logic. *Journal of Services Marketing*, 24(6), 430–437. doi:10.1108/08876041011072546
- Pongpaew, W., Speece, M., & Tiangsoongnern, L. (2017). Social presence and customer brand engagement on Facebook brand pages. *Journal of Product & Brand Management*, 26(3), 262–281. doi:10.1108/JPBM-08-2015-0956
- Prentice, C., & Loureiro, S. M. C. (2018). Consumer-based approach to customer engagement – The case of luxury brands. *Journal of Retailing and Consumer*

- Services, 43, 325–332. doi:10.1016/j.jretconser.2018.05.003
- Rellinga, M., Schnittkab, O., Sattlera, H., & Johnena, M. (2016). Each can help or hurt: Negative and positive word of mouth in social network brand communities. *International Journal of Research in Marketing*, 33(1), 42–58. doi:10.1016/j.ijresmar.2015.11.001
- Rialti, R., Zollo, L., Pellegrini, M. M., & Ciappei, C. (2017). Exploring the antecedents of brand loyalty and electronic word of mouth in social-media-based brand communities: Do gender differences matter? *Journal of Global Marketing*, 30(3), 147–160. doi:10.1080/08911762.2017.1306899
- Riza, C., & Sh., H. (2015). The effects of harm directions and service recovery strategies on customer forgiveness and negative word-of-mouth intentions. *Journal of Retailing and Consumer Services*, 27, 103–112. doi:10.1016/j.jretconser.2015.07.012
- Saenger, C., Thomas, V. L., & Johnson, J. W. (2013). Consumption-Focused self-expression word-of-mouth: A new scale and its role in consumer research. *Psychology & Marketing*, 30(11), 959–970. doi:10.1002/mar.20659
- Simon, C., Brexendorf, T. O., & Fassnacht, M. (2016). The impact of external social and internal personal forces on consumers' brand community engagement on Facebook. *Journal of Product & Brand Management*, 25(5), 409–423. doi:10.1108/JPB-03-2015-0843
- Smith, A. M. (2013). The value co-destruction process: A customer resource perspective. *European Journal of Marketing*, 47(11/12), 1889–1909. doi:10.1108/EJM-08-2011-0420
- Steward, M. D., Narus, J. A., & Roehm, M. L. (2018). An exploratory study of business-to-business online customer reviews: External online professional communities and internal vendor scorecards. *Journal of the Academy of Marketing Science*, 46(2), 173–189. doi:10.1007/s11747-017-0556-3
- Sun, T., Youn, S., Wu, G., & Kuntaraporn, M. (2006). Online word-of-mouth (or mouse): An exploration of its antecedents and consequences. *Journal of Computer-Mediated Communication*, 11(4), 1104–1127. doi:10.1111/j.1083-6101.2006.00310.x
- Sung, Y., Kim, Y., Kwon, O., & Moon, J. (2010). An explorative study of Korean consumer participation in virtual brand communities in social network sites. *Journal of Global Marketing*, 23(5), 430–445. doi:10.1080/08911762.2010.521115
- Sweeney, J. C., Soutar, G. N., & Mazzarol, T. (2008). Factors influencing word of mouth effectiveness: Receiver perspectives. *European Journal of Marketing*, 42(3/4), 344–364. doi:10.1108/03090560810852977
- Tafesse, W. (2016). An experiential model of consumer engagement in social media. *Journal of Product & Brand Management*, 25(5), 424–434. doi:10.1108/JPB-05-2015-0879
- Thorbjørnsen, H., Pedersen, P. E., & Nysveen, H. (2007). 'This is who I am': Identity expressiveness and the theory of planned behavior. *Psychology & Marketing*, 24(9), 763–785. doi:10.1002/mar.20183
- Vargo, S. L., & Lusch, R. F. (2008). From goods to service (s): Divergences and convergences of logics. *Industrial Marketing Management*, 37(3), 254–259. doi:10.1016/j.indmarman.2007.07.004
- Verhagen, T., Nauta, A., & Feldberg, F. (2013). Negative online word-of-mouth: Behavioral indicator or emotional release? *Computers in Human Behavior*, 29, 1430–1440. doi:10.1016/j.chb.2013.01.043
- Verhoef, P. C., Reinartz, W. J., & Krafft, M. (2010). Customer engagement as a new perspective in customer management. *Journal of Service Research*, 13(3), 247–252. doi:10.1177/1094670510375461
- Wallace, E., Buil, I., & de Chernatony, L. (2014). Consumer engagement with self-expressive brands: Brand love and WOM outcomes. *Journal of Product & Brand Management*, 23(1), 33–42. doi:10.1108/JPB-06-2013-0326
- Zeithaml, V. A., Berry, L. L., & Parasuraman, A. (1996). The behavioral consequences of service quality. *Journal of Marketing*, 60(2), 31–46. doi:10.2307/1251929
- Zheng, X., Cheung, C. M., Lee, M. K., & Liang, L. (2015). Building brand loyalty through user engagement in online brand communities in social networking sites. *Information Technology & People*, 28(1), 90–106. doi:10.1108/ITP-08-2013-0144



© 2018 The Author(s). This open access article is distributed under a Creative Commons Attribution (CC-BY) 4.0 license.

You are free to:

Share — copy and redistribute the material in any medium or format.

Adapt — remix, transform, and build upon the material for any purpose, even commercially.

The licensor cannot revoke these freedoms as long as you follow the license terms.

Under the following terms:

Attribution — You must give appropriate credit, provide a link to the license, and indicate if changes were made.

You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use.

No additional restrictions

You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits.



***Cogent Business & Management* (ISSN: 2331-1975) is published by Cogent OA, part of Taylor & Francis Group.**

Publishing with Cogent OA ensures:

- Immediate, universal access to your article on publication
- High visibility and discoverability via the Cogent OA website as well as Taylor & Francis Online
- Download and citation statistics for your article
- Rapid online publication
- Input from, and dialog with, expert editors and editorial boards
- Retention of full copyright of your article
- Guaranteed legacy preservation of your article
- Discounts and waivers for authors in developing regions

Submit your manuscript to a Cogent OA journal at www.CogentOA.com

