Creativity and Multiculturalism: Literature Review

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Abstract

This study examined journals articles, published from 2010 to 2015, about the relationship between multiculturalism and creativity. A literature search was conducted in the databases Capes, PsycNET and SciELO. Thirty articles that fit within pre-established inclusion criteria were selected. The articles were analyzed according to the categories: journal, country of production, target, sample, and instruments. There was an increase in the number of publications concerning this theme in the last years. Researchers from regions with high migratory flow, such as United States, Europe and Asia, seemed more interested in the matter. There was no publication neither from Brazil nor Latin America. The majority of the studies selected were empirical, quantitative, and used adult samples. The reviewed studies indicated a relationship between creativity and multiculturalism, mediated by psychological mechanisms and environmental conditions.

Keywords: Creativity, multiculturalism, biculturalism.

Creatividade e Multiculturalismo: Revisão de Literatura

Resumo

Este estudo examinou publicações em periódicos, no período de 2010 a 2015, sobre a relação entre multiculturalismo e criatividade. O levantamento foi realizado nas bases de dados Capes, PsycNET e SciELO. Foram selecionados 30 artigos que atenderam aos critérios de busca pré-estabelecidos. Os artigos foram analisados quanto às categorias: periódico, países de produção, objetivo de pesquisa, tipo de autoria, ano de publicação, tipo de estudo, abordagem do estudo, população pesquisada e instrumentos utilizados. Observou-se aumento das publicações sobre a temática nos últimos anos. Pesquisadores de regiões de alto fluxo migratório, como Estados Unidos, Europa e Ásia, demonstraram maior interesse pela área. Não houve publicação brasileira, tampouco latina. A maioria dos estudos encontrados era empírico, de abordagem quantitativa e investigou participantes adultos. Os estudos revisados indicaram, de forma geral, haver relação entre criatividade e multiculturalismo, mediada por mecanismos psicológicos e condições do ambiente.

Palavras-chave: Criatividade, multiculturalismo, biculturalismo.
Creatividad y Multiculturalismo: Revisión de la Literatura

Resumen
Este estudio examinó publicaciones científicas en revistas en el periodo de 2010 a 2015, sobre la relación entre multiculturalismo y creatividad. La búsqueda fue realizada en las bases de datos Capes, PsycNET y SciELO. Fueron seleccionados 30 artículos que cumplieron con los criterios de búsqueda preestablecidos. Los artículos fueron analizados de acuerdo con las categorías: revista, países de producción, objetivo de la investigación, tipo de autoría, año de publicación, tipo de estudio, enfoque de estudio, población investigada e instrumentos utilizados. Se observó un aumento de las publicaciones sobre el tema en los últimos años. Los investigadores de las regiones de alta migración, como Estados Unidos, Europa y Asia han demostrado mayor interés en el tema. No se encontraron publicaciones brasileñas o latinas. La mayoría de los estudios fueron empíricos, cuantitativos y con participantes adultos. Los estudios revisados indican, en general, que existe una relación entre creatividad y multiculturalismo, mediada por los mecanismos psicológicos y las condiciones ambientales.

Palabras clave: Creatividad, multiculturalismo, biculturalismo.

Multiculturalism is a growing and multifaceted phenomenon. Inglis (1996) highlights the popularization of the term multiculturalism and appoints three distinct but interrelated references for its use: demographic-descriptive, programmatic-political, and ideological-normative. The use of the term multiculturalism from the demographic-descriptive perspective reflects the existence of different races or ethnic origins in a society, a cultural mix that produces social meanings. That will be the focus of this study. The programmatic-political application of the concept, then, remits to programs and policies that were established to cope with the ethnic or racial diversity. The ideological-normative use corresponds to a model based on the sociological theory and on the ethical-philosophical consideration that emphasizes the existence of ethnic diversity and the need to guarantee that individuals from non-dominant cultures have equitable access to the constitutional principles and the shared values in society.

As they engage in the new culture, the individuals who go through multicultural demographic experiences, working, studying or living together in various environments, start to assess and question their own beliefs, customs and traditions (Tadmor, Hong, Chao, Wiruchnipawan, & Wang, 2012). An increasing number of people identify with cultures different from their own (Mok & Morris, 2012). Sam and Berry (2010) highlights that refugees, people claiming asylum, immigrants, expatriates, indigenous people, and ethnic minorities are the most studied samples in research on multicultural identities. Since the 1950’s, Malzberg and Lee (1956) have investigated social and psychological adversities deriving from the multicultural identification processes.

More recent studies have revealed very positive implications of this type of experience. Different benefits have been related to multiculturalism, including: adaptability, leadership, and problem-solving ability (Friedman & Liu, 2009); professional success (Tadmor, Galinsky, & Maddux, 2012); expansion of social networks (Mok, Morris, Benet-Martínez, & Karakitapoglu-Aygun, 2007); and creativity (Crisp & Turner, 2011; Leung & Chiu, 2010; Saad, Damian, Benet-Martinez, Moons, & Robins, 2012). Creativity, considered as a process through which something useful and original is created (Amabile, 1996), has been largely investigated in this relation. In a theoretical article, Goclowska and Crisp (2014) listed more than 10 studies, published between 2008 and 2012, about creativity and multiculturalism.

In view of the multicultural contrast, what would make an individual develop creativity-related characteristics and competences or not? The psychological adaptation of migrants is a frequently explored phenomenon, especially...
in the international scientific community (Kuo, 2014, Sam & Berry, 2010; Yoon et al., 2012). Researchers have studied different aspects, ranging from individuals and ethnic groups’ characteristics to natives’ attributes and attitudes in the host country (Aronowitz, 1984; Berry & Sam, 1997).

Berry (1990), Berry, Kim and Boski (1987), Berry, Kim, Minde and Mok (1987), Berry and Sam (1997) investigated multicultural adaptation based on the behaviors and attitudes individuals adopt towards their native and new cultures. According to these authors, people can identify themselves with both, none or only one of the cultures, through a process that has been called acculturation. Four strategies have been appointed: assimilation, separation, marginalization, and integration.

Tadmor, Galinsky et al. (2012) verified that college students who adopted integration as an acculturation strategy scored higher on creativity measures when compared to individuals who adopted separation or assimilation as an acculturation strategy. Thus, the multicultural identification model based on the acculturation strategies would explain how multiculturalism relates with creativity.

Benet-Martínez, Leu, Lee and Morris (2002), however, appoint gaps in the conception of bicultural identity. According to the authors, the theory of acculturation strategies ignores how people deal with the two cultures in the integration strategy and the paradoxical perception of belonging to two cultures and, at the same time, to none (Benet-Martínez & Haritatos, 2005). In response to criticism, Benet-Martínez et al. (2002) outlined a new theoretical construct to investigate individual differences in the ways bicultural identities are organized, thus focusing on the integrative acculturation strategy only.

Bicultural Identity Integration (BII) was proposed to measure to what extents bicultural individuals perceive their identities as compatible and integrated or opposed and hard to integrate (Benet-Martínez et al., 2002). The BII is high when the two cultural identities are perceived as interconnected, coherent or integrated; and low when they are perceived as opposed, separated or disintegrated (Benet-Martínez & Haritatos, 2005). In line with what happened in the research on the acculturation strategies, creativity has also been related with the multicultural identification process described in the BII model. Bicultural individuals with high BII tend to be more creative than those with low BII (Cheng, Sanchez-Burks, & Lee, 2008; Saad et al., 2012).

Besides these two possible explanations on the relation between multiculturalism and creativity, based on the individual’s identification with the cultures, other theories have been proposed. Goclowska and Crisp (2014) summarized research in this area and proposed a theoretical model to explain the creative gain of people who identify with two cultural groups (bicultural). The authors described three essential components of cultural identification: (a) depth, which implies a degree of cultural engagement, learning, and processing of information on the new role played in the guest culture; (b) dual engagement, which involves the development of skills to see the world through different social identities, benefitting flexible and creative thinking; and (c) cultural distance, representing the dimension in which the predominant values, customs, and characteristics in both groups diverge, and consequently demand individuals to elaborate complex integrative solutions. The actual belonging to two culturally distant groups, experienced in depth, requires that individuals develop innovative ways of thinking and acting, encouraging their creative potential (Goclowska & Crisp, 2014).

In addition, hypotheses have been raised that the emotional condition, whether positive or negative (Cheng, Leung, & Wu, 2011), and the climate for inclusion (Li, Lin, Tien, & Chen, 2015) moderate the relation between creativity and multiculturalism. To date, no consensus has been identified in the literature as to how multiculturalism can permit the development of creativity, but clear efforts have been made to investigate this relationship.

Based on these arguments, it is relevant to assess what has been explored and discovered thus far, aiming to understand the advances re-
search has made in this field and to identify future research needs. According to Witter (1999), the analysis of scientific productions contributes to enhance the available knowledge, signaling what researchers have been most interested in, theoretical and methodological trends, the most studied samples, and other aspects.

In Brazil, little research has been done on the relation between creativity and multiculturalism. Many Brazilian studies on creativity exist, including literature reviews (Nakano, 2005; Nakano & Wechsler, 2007; Wechsler & Nakano, 2003; Zanella & Titon, 2005), but the association of this construct with multiculturalism is still incipient. Some studies relate creativity with bilingualism (Mendonça & Fleith, 2005; Zimmer & Alves, 2014). Although language proficiency can be associated with experience in different cultures, it can also exist without individuals’ experience of multiculturalism.

The study’s social relevance also derives from the greater incidence of different forms of multiculturalism in the contemporary world. With respect to the international migration flow, for example, the number of migrants around the world has increased by more than 41% in the past 15 years (United Nations, 2015). Beyond the migrants, their relatives should be taken into account, who can experience multiculturalism at home, even without ever living in another country. In a study on that variable by Chang, Hsu, Shih and Chen (2014), creativity was investigated in adolescent children of individuals from different nationalities. The authors found higher creativity rates in multicultural young people when compared to monocultural youth.

Considering that much has been discovered about multiculturalism and creativity and that opportunities for cultural exchanges have grown, a literature search is needed to present the state of the art on this problem, with a view to exposing gaps, suggesting future research, and founding public policy strategies. The objective in this study was to map articles published in journals between 2010 and 2015, aiming to investigate the relation between multiculturalism and creativity.

**Method**

To search the literature, three electronic databases were consulted, being one international and two Brazilian: the international database was PsycNET by the American Psychological Association, while the Brazilian databases were the Scientific Electronic Library Online (SciELO) and the Coordination for the Improvement of Higher Education Personnel (CAPES).

For the search, the following pairs of keywords were used: criatividade and multiculturalismo and criatividade and biculturalismo in Portuguese, and creativity and multiculturalism and creativity and biculturalism in English. Two selection criteria were set: type of study, centering the search on scientific articles published in journals only, and publication date, delimiting the period between 2010 and 2015.

The survey was undertaken in October and November 2015, locating 126 publications that contained the investigated keywords, being 38 (30%) in PsycNET, 85 (68%) in CAPES and three (2%) in SciELO. In a first check, the criteria publication type and year were applied, eliminating 14 productions (11%) that did not fit into the categories of articles published in journals and five (4%) that were published before 2010. Fifteen (12%) other articles were excluded because they were repeated in the different databases.

Hence, the abstracts of 92 scientific productions (73% of the total) were analyzed to verify whether their content was compatible with the review objective. Most articles were found in the CAPES database (n= 69), 14 others in PsycNET and nine were available in both databases. None of the articles came from SciELO.

**Procedures**

Based on the reading of the abstracts, we aimed to verify whether the 92 articles identified explored the two central constructs in this study, multiculturalism and creativity, in their objectives. Most of them investigated only one of the constructs. Although the remainder mentioned the terms multiculturalism and creativity,
their research objectives were focused on other themes. Sixty-two articles were excluded (49% of the total).

The remaining 30 articles (24% of the total) were fully read. The data from this reading were catalogued in a worksheet with the following analysis categories: journal, countries, type of authorship, year of publication, objectives, study design, methodological approach, research population, instruments used. To analyze the journals, the number of articles published per journal was verified. We also surveyed the journals’ knowledge areas by reading the descriptions available on their websites and the languages the texts were published in.

To analyze the countries where the articles were produced, we observed the countries where the universities the authors were affiliated with were located, generally described in the notes to the article. To give an example, in the article by the authors Susannah B. F. Paletz, from the University of Maryland, Ella Miron-Spektor, from the Israel Institute of Technology, and Chun-Chi Lin from the National Taiwan University, the countries United States (USA), Israel and Taiwan were registered. For articles in which more than one author or more than one university were located in the same country, the country was counted only once, as the objective was to quantify the number of publications per year.

To assess the type of authorship, it was verified whether an individual or multiple authors wrote the articles. The publication year was catalogued according to the publication date of the journal.

To analyze the study design, we analyzed whether the articles were characterized as an empirical study, literature review, theoretical article, methodological article or case study. The criteria described in the Manual of the American Psychological Association (American Psychological Association, 2010) were used for this assessment. According to that manual, empirical studies are research reports with original data and generally contain an introduction, method, results and discussion. Literature reviews are critical assessments of previously published material whose characteristics are close to those of theoretical articles, the latter proposing new theories or analyzing existing ones, highlighting the advances; the structure of both is similar, without the common parts of empirical studies. In methodological articles, new methodological approaches are presented. Case studies involve investigations of individual, group, community or organizational scenarios.

When applicable, in the empirical articles and case studies, the approach and sample were also analyzed. The analysis of the approach considered the categories quantitative study, qualitative study or both. Fleith and Costa (2005) highlighted that this distinction is not simple. Therefore, in this study, we chose to adopt the criteria based on Breakwell (1995). The author described qualitative study as an analysis that describes and details the nature of processes, while quantitative study is the analysis that measures the frequency and magnitude of the processes. While the first is more related to meanings and definitions, the second is related to counts and measures.

The age range of the research population was assessed and classified in the categories: child, adolescent, adult student or adult professional. Participants up to 12 incomplete years of age were considered children and those between 12 and 18 years of age as adolescents, as defined in the Child and Adolescent Statute (Estatuto da Criança e do Adolescente, 1990). Participants over 18 years of age, undergraduate or MBA students and other professionals were classified as adults. In view of the distance between the students and the professionals’ mean age, the adults were also classified in terms of occupation.

The creativity and multiculturalism measures used were only analyzed in empirical articles. In this analysis, the usage frequency and authors of the measures were catalogued. In some articles, more than one procedure was used to measure creativity or multiculturalism.

Results

To analyze the results, descriptive statistics were used, aiming to map the publication data, authorship, objectives and methods. The
30 studies of which we analyzed the full text are displayed in Table 1, including information about the study design and country.

A prevalence of articles with multiple authors ($n=25$) over individual authors ($n=5$) was observed. The number of publications per year has increased. Despite the lack of a linear growth in the number of articles, this theme has been more investigated in the past three years. Seven publications per year were located in 2014 and 2015, more than at the start of the research period. In 2010, four publications were found, and

Table 1
Publications on Creativity and Multiculturalism between 2010 and 2015

<table>
<thead>
<tr>
<th>Publication</th>
<th>Study design</th>
<th>Countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Betz (2014)</td>
<td>Case study</td>
<td>Australia</td>
</tr>
<tr>
<td>Chang et al. (2014)</td>
<td>Empirical</td>
<td>Taiwan</td>
</tr>
<tr>
<td>Chang, Su, &amp; Chen (2015)</td>
<td>Empirical</td>
<td>Taiwan</td>
</tr>
<tr>
<td>Chao, Kung, &amp; Yao (2015)</td>
<td>Literature review</td>
<td>Canada and China</td>
</tr>
<tr>
<td>Cheng et al. (2011)</td>
<td>Empirical</td>
<td>Singapore and Taiwan</td>
</tr>
<tr>
<td>Chua, Morris, &amp; Mor (2012)</td>
<td>Empirical</td>
<td>United States</td>
</tr>
<tr>
<td>Crisp &amp; Turner (2011)</td>
<td>Theoretical</td>
<td>England</td>
</tr>
<tr>
<td>Fee &amp; Gray (2012)</td>
<td>Empirical</td>
<td>Australia</td>
</tr>
<tr>
<td>Gocłowska &amp; Crisp (2014)</td>
<td>Theoretical</td>
<td>The Netherlands and England</td>
</tr>
<tr>
<td>Klimczuk (2014)</td>
<td>Theoretical</td>
<td>Poland</td>
</tr>
<tr>
<td>Krug (2013)</td>
<td>Case study</td>
<td>New Zealand</td>
</tr>
<tr>
<td>Lee &amp; Kim (2011)</td>
<td>Empirical</td>
<td>United States</td>
</tr>
<tr>
<td>Li et al. (2015)</td>
<td>Empirical</td>
<td>China and Taiwan</td>
</tr>
<tr>
<td>Maddux, Adam, &amp; Galinsky (2010)</td>
<td>Empirical</td>
<td>United States and France</td>
</tr>
<tr>
<td>Moro (2014)</td>
<td>Empirical</td>
<td>France</td>
</tr>
<tr>
<td>Nouri et al. (2013)</td>
<td>Empirical</td>
<td>Israel and Singapore</td>
</tr>
<tr>
<td>Paletz, Miron-Spektor, &amp; Lin (2014)</td>
<td>Theoretical</td>
<td>United States, Israel and Taiwan</td>
</tr>
<tr>
<td>Saad et al. (2012)</td>
<td>Empirical</td>
<td>United States and Spain</td>
</tr>
<tr>
<td>Stahl, Makela, Zander, &amp; Maznevski (2010)</td>
<td>Literature review</td>
<td>Austria, France, Finland, Sweden and Switzerland</td>
</tr>
<tr>
<td>Storme et al. (2015)</td>
<td>Empirical</td>
<td>China and France</td>
</tr>
<tr>
<td>Tadmor, Galinsky et al. (2012)</td>
<td>Empirical</td>
<td>United States and Israel</td>
</tr>
<tr>
<td>Tadmor, Satterstrom, Jang, &amp; Polzer (2012)</td>
<td>Empirical</td>
<td>United States and Israel</td>
</tr>
<tr>
<td>Viki &amp; Williams (2014)</td>
<td>Empirical</td>
<td>England</td>
</tr>
</tbody>
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three in 2011. Between 2012 and 2013, significant variation occurred, with seven publications in the first year but only two in the second.

A preponderance of empirical studies was observed (n=21 articles). Five studies were theoretical articles; two were literature reviews and two case studies. None of the publications were characterized as a methodological study.

The nationality of the articles differed a lot. Universities from 18 different countries participated in the production of the articles on creativity and multiculturalism. The United States was the country with the largest number of productions (n=10). The representativeness of the Asian continent in this analysis is strong, as 21 publications were produced in the region, being five from China, five from Singapore, five from Taiwan, four from Israel and two from the United Arab Emirates. Fourteen articles had European authors and three came from Oceania. No authors from the South American continent were identified, nor publications in Portuguese. Almost all articles were written in English (n=29) and only one in Italian, published in the journal Interazioni.

The 30 articles analyzed were published in 21 journals. Most journals, from different knowledge areas, published only one article. Publications were identified in journals that self-described as arts, human science, social science, philosophy, management, literature and psychology journals. Only four journals from the larger area psychology published more than one article, being: Journal of Organizational Behavior (n=4), Journal of Cross-Cultural Psychology (n=4), The Journal of Creative Behavior (n=3) and Social Psychological and Personality Science (n=2).

Creativity and multiculturalism are complex constructs, which can be investigated in different manners. In the articles in this review, creativity was investigated from the individual (n=21), collective (n=7) and both perspectives (n=2). The multiculturalism construct was investigated from the individual perspective (n=17); collective, considering teams, groups and families (n=8); and from the environmental perspective (n=5), considering the multicultural society, context or community.

To get to know the studies better, the research objectives were analyzed. We grouped the studies with similar foci into categories. The identified propositions were organized in six groups: (a) explain the relation between multiculturalism and creativity through psychological mechanisms; (b) debate on or prove the existence of the relation or correlation between multiculturalism and psychological variables, including creativity; (c) analyze environmental conditions that favor creativity; (d) discuss the relation between bilingualism and creativity; (e) assess the impact of the type and structure of the creative task in multicultural contexts; (f) others.

In half of the publications analyzed (n=15), the authors discussed mechanisms underlying the relation between multiculturalism and creativity. The identity or cultural identification (n=5), cultural metacognition (n=2), perceived cultural distance (n=2), learning about the new culture (n=2), emotional condition (n=1), perceived conflict or threat in multicultural environments (n=1), cognitive adaptation process (n=1) and ability to navigate in different mind-sets (n=1) were studied as means or strategies to develop the creative potential in view of the multicultural experience.

A broader investigation was undertaken in six articles, in which we aimed to assess positive and negative effects of multiculturalism in psychological and behavioral variables, including creativity (n=2) and to empirically evidence the relation between multiculturalism and individual or collective creativity (n=4). In three publications, the researchers analyzed the conditioning elements of multiculturalism to promote creativity. The climate for inclusion (n=1) and the public and institutional conditions in an industry (n=1) were studied as mediators of experience in multiple cultures. In addition, the creativity of multicultural individuals was compared in two different sociocultural contexts (n=1).

In two articles, the relation between bilingualism resulting from multicultural experience and creativity was investigated. The authors of
two other articles discussed the importance of the specificity and structure of the creative task for the performance of multicultural teams or people. Three articles had different objectives. In one study, the difference in ethnic and cultural diversity was assessed in relation to innovation. In another, creativity was analyzed in a literary production by an author with multicultural experience. One article addressed the negative perspective of the relation between multiculturalism and creativity, discussing the potential of the negative social process to create intercultural obstacles and, consequently, suppress the creativity of teams with members from different cultures.

Concerning the method, two types of approaches were assessed, together with the sample in 21 empirical articles and two case studies. The analysis of the approach revealed that 19 productions were characterized as quantitative studies, two were qualitative studies (both case studies) and one adopted a mixed quantitative and qualitative approach. What the sample is concerned, it could be observed that most articles investigated adults. Eleven articles involved adult college students and four adult professionals. Only three studies investigated children and two adolescents. In three publications with empirical and case study designs, the participants’ profile was not identified or documentary analysis was undertaken to develop the research.

In the analysis of the instruments, only the empirical articles with a quantitative approach (n=19) were considered. Of this total, in 89%, an instrument was used to measure the creativity; in 79% (n=15), at least one previously validated instrument was applied and, in 37% (n=7), an original questionnaire or task was used (elaborated by the author of the study) to measure the creativity. In 10% (n=2) of the studies, only one instrument was used to measure the construct, while all others employed more than one quantitative procedure to analyze the creativity.

The most frequent creativity tests in the publications were those elaborated by Guilford and Torrance. The Alternative Uses Test (Guilford, 1950, 1959, 1967) was used in five studies. Torrance’s Test of Creative Thinking (Torrance, 1998), the short version for adults (Goff & Torrance, 2002) or the version adapted for Chinese individuals, was used in five studies.

On the other hand, the multiculturalism construct was measured by means of psychometric instruments in less than half of the quantitative empirical articles. In the other publications, the authors departed from the information that multiculturalism existed, for example, in participants who had lived in different countries, which was considered sufficient to characterize them as multicultural without the use of other methods. Only 47% (n=9) of the empirical articles analyzed aimed to measure this construct. Two instruments were used in more than one publication, the Multicultural Experience Survey (n=3; Leung & Chiu, 2010) and the Bicultural Identity Scale (n=2; Benet-Martínez & Haritatos, 2005). Instruments were identified to measure the intensity of exposure to multiple cultures, the subjects’ identification with the maternal and host cultures, the knowledge on the new culture, the type of acculturation, cultural metacognition, and the distance between the cultures.

Discussion

One of the objectives in this review was to get to know and analyze how the relation between creativity and multiculturalism has been studied. The analysis of the articles suggests that, in general, the variables are interconnected. Two relevant aspects observed in research in this field stand out: the mechanisms underlying creative development in view of multiculturalism and the conditions that favor the relation between the constructs. In addition, two topics were identified that can indicate trends for future research: creativity measures and the definition of multiculturalism.

It could be observed that cultural identification through the adoption of acculturation measures (assimilation, separation, marginalization or integration) and biculturalism can be an essential process for a multicultural person to develop creativity. In addition, the perceived distance between cultures experienced, the learning about the new culture, the cultural metacogni-
In addition, different dimensions of the concept have been investigated. Multiculturalism was explored as an environment, individual or groups, experience and product. In some publications, no definition of multiculturalism was identified. In addition, the term multiculturalism is used in a broad sense. Rudmin (2009), for example, highlights that, between 1918 and 2003, more than 100 different cultural identity taxonomies were proposed, including multiculturalism. To analyze the transformations deriving from the multicultural experience of individuals or groups, Sam and Berry (2010) suggest that the term acculturation is more appropriate than multiculturalism, assimilation, globalization and biculturalism. It is important for future studies to delimit the adopted terminology or to present an explicit definition of what multiculturalism concept was applied.

This review also aimed to get to know the state of the art in creativity and multiculturalism research in terms of publication number, origin and design. The figures demonstrated an increasing tendency to publish articles in the area, especially involving adult participants. In addition, the continuity of the research objectives over the study period was perceived. Seventy-five percent of the studies that intended to evidence the relation between multiculturalism and creativity, bilingualism, and other psychological variables had been published until 2012. On the other hand, the more recent studies aimed to deepen the understanding of the relation between the concepts. Eighty percent of the articles in which mechanisms and conditions are underlying creative development in multicultural individuals have been published as from 2012.

Overall, however, the number of articles identified was relatively low, considering the importance of the theme. The national borders are more fluid, with increasing movements of people among the countries (United Nations, 2015). Research information is essential for support policies and initiatives (Flick, 2009), which can contribute to the inclusion and adaptation of multicultural people, favoring creativity (Li et al., 2015). The researchers’ interest in these
themes in regions with greater migration flows is noteworthy.

According to the Global Migration Report (United Nations, 2015), about two thirds of all migrants in the world live in Europe (76 million) or in Asia (75 million). Besides receiving many migrants, the continents held the largest number of people who abandoned their origins to live in other countries. In 2015, Asia and Europe represented, respectively, the origin of 43% and 25% of all emigrants in the world (United Nations, 2015). This could explain the number of articles identified in this review originating in the Asian (n=21) and European continents (n=14).

In a comparison among countries, the United States was the country that most published on multiculturalism and creativity (n=10). It is not surprising that North Americans take particular interest in subjects linked to cultural blending. The USA, considered to be the land of opportunities, is still the most coveted destination in the world. The country by far receives the largest number of international migrants in the world. In 2015, the USA received almost four times more immigrants than the second on the list, Germany (United Nations, 2015).

When compared to other countries, Brazil currently is not considered a strong attraction hub of immigration (Paiva & Leite, 2014). Perhaps that is why no publication has been identified in the country that was aimed at investigating creativity and multiculturalism. According to Paiva and Leite, however, in recent years, the predominant South-North movement of people has weakened, and countries like Brazil are emerging as a receiver hub for foreigners. Factors like economic growth, the country’s inclusion in international organizations, the social bonds with other countries and the Brazilian public policies influence the interest in Brazil as a destination for people from other countries. Especially for refugees, the country’s attractions have truly captured.

According to the report of the National Refugee Committee (2016), in the past five years, the number of refugee claims increased by 2,868% in Brazil. At the end of 2015, more than 25 thousand refugee claims were awaiting a response, mostly of Haitian origins. Therefore, reflections are due about the cultural exchange expectations in upcoming years and about the importance of studying the creative development of people who will experience an acculturation process in Brazil.

By the way, the refugee crisis has been experienced around the world. According to the annual report of the United Nations High Commissioner for Refugees (2015), the annual record in the number of refugees was broken in 2014, as a consequence of territorial, political and religious conflicts, having reached about 60 million people. In recent years, the number of refugees around the world reached the highest level since the Second World War.

This situation represents a source of concern for governments and populations. As these foreigners are integrated in the receiving communities, creative solutions can turn problems into comparative advantages. According to Alencar and Fleith (2009), creativity is an element of survival and progress. In that sense, studying creativity, as a fruit of refugees’ multicultural experience can be relevant. Despite the significant increase in the number of refugees and the critical conditions experienced, none of the 30 articles identified in this study investigated the creativity related to multiculturalism deriving from the movement of refugees. Therefore, that is one of the possible promising niches for future research.

In the articles analyzed from the perspective of the research sample, adult participants, students and professionals were predominant. That can be related to the fact that 72% of the international migrants is between 20 and 64 years of age and only 15% is younger than 20 years (United Nations, 2015). That figure should not be considered in isolation. In its report, the United Nations Organization highlights that, although most migrants are in the working-age range, many migrant children are born in host countries and are not considered in this rate. These children are part of multicultural families, which is the case of the 44th president of the United States for example, Barack Obama, who is son to a Kenyan father and North American
mother. Despite being a North American citizen, he has certainly experienced multiculturalism. Greater attention to the group of first or second-generation young migrants is due in research in this area.

**Final Considerations**

In view of the results found, it can be concluded that, in general, creativity and multiculturalism are interconnected phenomena. That is a theme of interest to researchers in different countries around the world, especially in regions with greater migration flows. In Brazil, no publications have been identified. There are perspectives that, in the coming years, this theme will gain representativeness for the country, arousing the researchers’ interest.

In view of the state of the art between 2010 and 2015, the study of creativity should be broadened, focusing on multicultural children and adolescents. The school, being the environment where this audience interacts, can also be investigated from the development perspective of creative potential. Besides young people, refugees, a group that has grown in function of conflicts around the world, has been a neglected audience in research and can be a relevant research niche. In addition, the use of the term multiculturalism can be investigated, considering more specific terminologies of each approach or specifically delimiting the definition of the concept. As a study limitation, the restriction to journal publications is appointed, as Master’s theses and Doctoral dissertations were omitted.

**References**


Kuo, B. C. H. (2014). Coping, acculturation, and psychological adaptation among migrants: A theoretical and empirical review and syn-


