

# The Students' Attitude to the Social Environment of the University: Cross-Cultural Aspect

Elena Viktorovna Noskova<sup>1</sup> & Irina Matveevna Romanova<sup>1</sup>

<sup>1</sup> Far Eastern Federal University, Vladivostok, Russian Federation

Correspondence: Elena Viktorovna Noskova & Irina Matveevna Romanova, Suhanova Street 8, Vladivostok, 690950, Russian Federation. E-mail: noskova.ev@dvfur.ru; romanova.im@dvfur.ru

Received: February 28, 2015 Accepted: March 20, 2015 Online Published: April 24, 2015

doi:10.5539/res.v7n6p116

URL: <http://dx.doi.org/10.5539/res.v7n6p116>

## Abstract

The article notes that increasing the international competitiveness of the university requires the consideration of many factors, including the social environment of the university. The purpose of this study is to develop a methodological approach to assess the impact of cross-cultural features on the students' attitude toward the social environment of the university as a factor of its international competitiveness. In this study we developed a model of culture that reflects a list of cultural values, the characteristics of the material and institutional environment, which are adapted to the market of educational services of universities. We highlighted the elements of the social infrastructure of the university: housing and utilities, public catering and trade, consumer services, cultural and recreational, sports and fitness, communication. The proposed methodological approach was tested on Chinese and Russian students. The results of the study can be used to develop measures to improve the international competitiveness of the universities.

**Keywords:** social media, cross-culture, model of culture, competitiveness of the university

## 1. Introduction

Modern universities form and develop human capital, and the international competitiveness of the country largely depends on it. The growing cross-country competition determines the need to find new sources of increasing the competitiveness of the universities. The competitiveness of universities is considered in modern science from different positions. A content analysis of 186 international publications in the past five years has allowed to allocate the following actual trends in studying the competitiveness of universities: international university rankings; the formation of world-class universities; universities as research corporations; university's cooperation with the business environment; the impact of universities on the development of a specific territory; university management systems; innovation activity of universities; information and communication technologies in education; student migration; the process of educational activities in universities; employment of students and graduates; social environment of the universities and so on. In this study, the authors attempted to estimate the students' attitude to the social environment of the University as a factor of its competitiveness.

International competitiveness of the universities, the factors determining it, including the social environment of the universities, is analyzed in the following works (Aghion et al., 2010; Bucla-Casal et al., 2007; deFilippo et al., 2012; Dill et al., 2005; Filinov et al., 2002; Glänzel et al., 2002; Li et al., 2005; Harvey, 2008; Liu et al., 2005; Merisotiset, 2005; Mohrman, 2013; Mok et al., 2011; Mok, 2014; Rodionov et al., 2014; Yaşar et al., 2012; Yonezawa et al., 2002). The works of Barlett, 2011 cover the studying of students' catering as an element of the social environment. The advantage of this study is the consideration of the social environment of the University in a cross-cultural context. The problems of cross-cultural researches are reflected in the following works (Agarwal et al., 2010; Hyari et al., 2012; Cheung et al., 2011; Dimitrova et al., 2014; Gelade, 2008; Gestel, 2012; Harrison, 2006; Hofstede et al., 2002; Redden et al., 2011; Sankaran et al., 2011; Yousaf et al., 2013).

The analysis of the publications above showed the absence of a common approach to the assessment of the social environment of the universities: some elements of the social environment are not covered, factors affecting its formation and development are not analyzed, the problems of cross-cultural analysis of students' attitude to the social environment of the University are poorly studied, although their relevance increases with the increasing of international competitiveness of the universities. All this indicates the relevance of the research topic and the lack of its study.

## 2. Methodology

The purpose of the study is to highlight the determinants of the social infrastructure of the University, to determine their importance for the students in the context of cross-cultural analysis.

1) Statement of the problem:

- A problem that requires a research—to find gaps in the Russian and Chinese students' attitude to the social environment of the University.
- A problem to solve—increasing the international competitiveness of the universities by developing their social environment.

2) Defining the objectives of the study

According to the purpose, this research project states the following tasks:

- To consider the model of culture and to identify its components;
- To identify the main elements of the social environment of universities;
- To assess the factors affecting the formation and development of the social environment of the universities
- To determine the effect of cross-cultural features of the students' behavior on their attitude to the social environment of the universities.

3) The formation of the basic hypotheses of the study

Hypothesis 1: The model of the culture is formed under the influence of the system of cultural values, and the elements of the institutional and material environments.

Hypothesis 2: The students' attitude (of different cultures) to the social environment of the universities depends on the model of the culture of a particular country

4) Determining the type of the research project

Exploration study, using appropriate empirical methods the suggested hypothesis are confirmed (refuted).

5) The object of the study is the students' attitude to the social environment of the universities, the subject of the study is—cross-cultural features of the students' behavior in relation to the social environment of the universities.

6) Methods of research: desk and field research using quantitative and qualitative methods of data collection. Main directions of the research:

- Studying the cultural values (Kuznetsov, 2010) (Table 1);

Table 1. Characteristics of cultural values

Group	List
Individual values of life	Health, work, family life, friends, freedom, development, active energetic life, entertainment, financially secure life, self-confidence, security
Ethical values	Honesty, irreconcilability to shortcomings, beauty, manners, cheerfulness, responsibility, efficiency, attention
Values of self-affirmation	High demands, independence, courage, strong will
Intellectual values	Education, rationalism, self-control, breadth of views

- Studying the institutional environment (Table2)

Table 2. Characteristics of the institutional environment taking into account the features of the education market

Group	List
Political and legal regulation	The level of influence of the geopolitical situation in the world (region) on the university's choice
	The level of diplomatic relations between your country and other countries
	The level of political stability in the country
Education	The level and quality of the population's life; The level of state regulation in the sphere of education
Religion	The level of the influence of the population's religion on the offer of educational services
	The level of the influence of religious restrictions on the consumption of educational services

- Studying the material environment (Table3)

Table 3. Characteristics of the material environment taking into account the features of the education market

Group	List
Scientific technological environment	The level of the development of technological and scientific environment in the country
	The level of universities supply
	The level of using modern technologies and equipment in universities
natural resources	Geographical position of the University
Economic Environment	The level of economic development of the country

7) A sources of secondary information. In order to work up tools for field researches it is necessary to conduct a content analysis of secondary information on the problem under study. As sources of secondary information we encourage to consider the print and electronic, business and specialized publications; industry literature; Internet resources; Analytical reviews in press. The result of the analysis of secondary information is to distinguish the basic elements of the social environment of the universities (housing and communal infrastructure, infrastructure, trade and public catering, domestic service infrastructure, cultural and recreational infrastructure, communicational infrastructure) and the development of a list of questions to determine the students' attitude to the elements of the social environment (Table 4)

8) Collecting primary information. The sources of primary information are the results of a questionnaire survey of Russian and Chinese students. The purpose of the questionnaire is to obtain quantitative estimates to link the elements of culture and students' attitude to the social environment of the universities.

9) Determination of sample size. In forming the sample we took into account the age and education of the students, and their nationality. The sample included Russian and Chinese students; the sample size was 520 people.

10) Data analysis. The obtained results of the survey were processed by statistical methods by constructing matrixes of conjugate of the elements of culture and students' attitude to the social environment of the universities. The respondents' answers were expressed on a scale of 1 to 5, where 1 is the least important indicator for the respondent, 5 is the most important.

Table 4. Characteristics of the elements of the social environment of the universities

Elements of the social environment	Issues
Housing and communal infrastructure	The presence of a hostel:
	The presence of a hotel:
	The presence of canteens in every university building
	The presence of canteens in every hostel
	The presence of a canteen in the campus
	The presence of a restaurant in the campus
	The presence of outlets selling food (drinks, cakes, etc.) In each university building/hostel
	The presence of coffee vending machines in each university building / hostel
	The presence of snack machines (selling drinks, snacks) in each university building/hostel
	Trade and public catering infrastructure
The presence of a shop selling business and literature on campus	
The presence of sales outlet for the sale of office supplies on campus	
The presence of copy centers on campus	
The presence of a pharmacy on campus	
The presence of vending machines for the sale of contact lenses and accessories on campus	
The presence of a shop selling flowers on campus	
The presence of shops for cellular communications on campus	
The presence of sales outlet on campus to sell air, railway and bus tickets	
Domestic infrastructure	
	The presence of tailoring shop on campus
	The presence of shoe repair post on campus
	The presence of dry cleaning posts on campus
	The presence of a photo studio on campus
	The presence of hair and beauty salon on campus
	The presence of rental posts for bikes, scooters, skates, etc.
The presence of security guards on campus	
Cultural and recreational infrastructure	The presence of museums on campus
	The presence of cinemas on campus
	The presence of a theater on campus
	The presence of entertainment center (billiards, bowling, etc.) on campus
	The presence of concert halls
	The presence of exhibition and congress facilities
	The presence of a botanical garden on campus
	The presence of parkland on campus
The presence of the embankment on campus	
The presence of a beach on campus	

Sport and recreation infrastructure	The presence of stadiums (volleyball, basketball, football, tennis courts) on campus
	The presence of gyms
	The presence of pools
	The presence of the ski slopes
	The presence of an indoor skating rink
	The presence of university's sanatorium, preventorium
	The presence of a university's clinic on campus
	The presence of a a medical post on campus
Communicational infrastructure	The level of transport infrastructure development on campus
	The presence of car parking on campus
	The presence of the Internet
	The presence of the telephone network
	The presence of call-center on campus (call processing)
	The presence of contact centers (processing of communication by electronic and ordinary mail, fax) on campus
	The presence of post offices on campus
	The presence of facilities that provide services for the express delivery of documents and goods on campus
The presence of a students' radio	
The presence of a students' television broadcasting	

### 3. Results

On the basis of the developed methodological approach and tools, the authors conducted a questionnaire survey of Chinese and Russian students, the results of which allowed determining the impact of the features of the culture of the analyzed countries on the students' attitude to the social environment of the universities, which is an important factor of their competitiveness. In the survey, respondents obtained estimates of cultural values, elements of the institutional and financial environment, which in turn form the model of culture.

The obtained estimates of cultural values of two different cultures (China and Russia) indicate that in general, the analyzed values are largely important for all respondents (Figure 1).

We should note that for Russian students the most important values are independence, cheerfulness, honesty, development and breadth of views; the least important—irreconcilability to shortcomings, high demands and self-control. For Chinese students the most important values are—health, family life and security; the least important—beauty, rationalism, irreconcilability to shortcomings. Minimum gaps in assessing the cultural values by representatives of different cultures are observed in such important values as work, development, financially secure life, honesty.

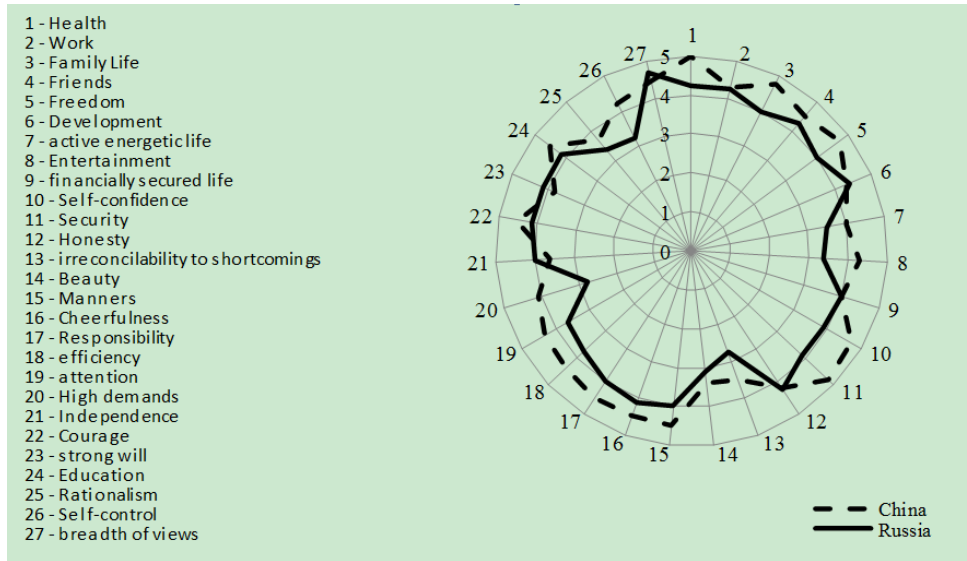


Figure 1. Distribution of the average scores of the respondents based on the importance of cultural values in the formation of the culture model, authoring

Institutional environment is characterized by more significant gaps in the estimates of the respondents compared to cultural values (Figure 2).

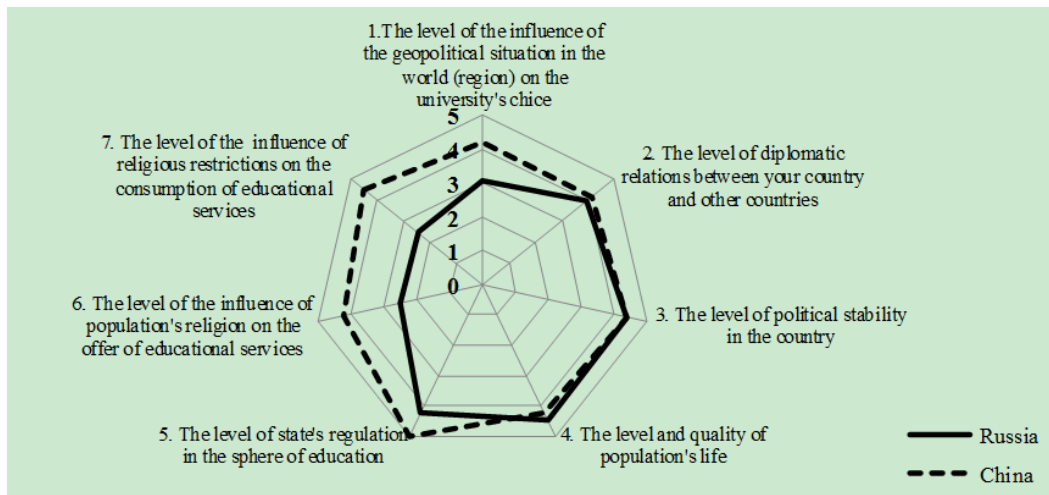


Figure 2. The distribution of the average scores of the respondents concerning the importance of the elements of the institutional environment in the shaping of the cultural model, authoring

The largest gaps are observed in the influence of religious restrictions on the supply and consumption of educational services. This indicator is important for Chinese students (grades in the range of 4.25-4.5 points) and unimportant for Russian students (grades 2.45-2.5 points). The level of the state regulation in the education sphere, the level and quality of the population's life, the level of political stability in the country are important indicators for the representatives of the Russian and Chinese culture.

Estimates of the material environment among respondents of Russia and China are not significantly different, and have high values (3.8-4.7) (Figure 3).

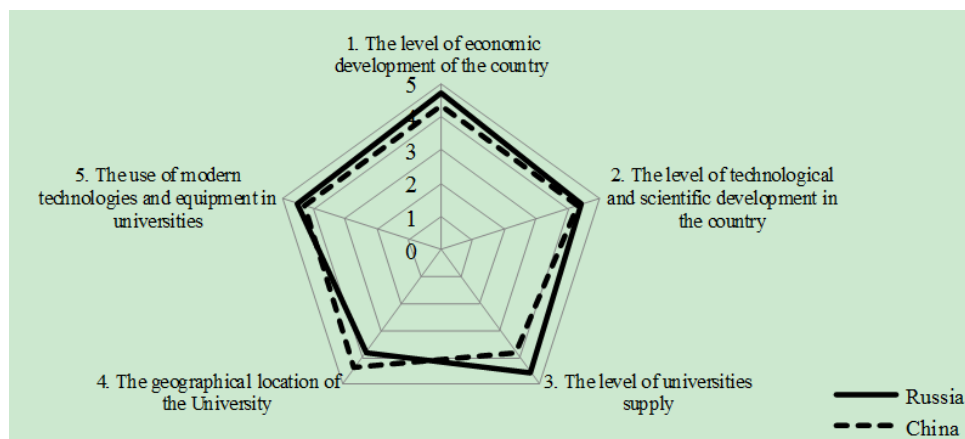


Figure 3. The distribution of the average scores of the respondents concerning the importance of the elements of the material environment in the shaping of the cultural model, authoring

The hypothesis about the fact that the model of the culture is formed under the influence of the system of cultural values, and the elements of the institutional and material environments, was completely confirmed.

To confirm the second hypothesis, the authors based on the results of the questionnaire used the method of statistical analysis, by constructing a matrix of elements contingency, which forms the model of culture, and the students' attitude to the social environment of the universities (Table 5, Table 6).

Table 5. A matrix of correspondence of the Russian students' attitude to the social environment of the universities with the elements of culture model, 2014. Authoring

Elements of the culture model	Elements of the social environment of the universities											
	Housing and communal infrastructure		trade and public catering infrastructure		domestic service infrastructure		Cultural and recreational infrastructure		Sport and recreation infrastructure		Communicational infrastructure	
	A <sup>1</sup>	B <sup>2</sup>	A	B	A	B	A	B	A	B	A	B
Values	4.6	3.9	4.3	3.5	3.8	3.3	4.3	3.5	4.5	3.4	4.3	3.2
Institutional environment	3.9	3.3	3.7	2.9	3.2	2.7	3.7	2.9	3.9	2.8	3.6	2.6
Material environment	4.5	3.4	4.2	3.0	3.7	2.8	4.2	3.0	4.4	2.9	4.1	2.7

Discription: A<sup>1</sup>—the importance of the indicator for the respondent; B<sup>2</sup>—the respondents' satisfaction with the indicator

Analysis of the contingency matrix of the Russian students' attitude to the social environment of the universities with the elements of the culture model, shows a high degree of the culture elements influence on the Russian students' attitude to such elements of the social environment as housing and communal infrastructure, sports and recreational infrastructure (value of the index 3, 9-4, 6 points). The least effect the elements of the culture model have on the students' attitudes to the consumer services infrastructure of the University, this situation can be explained by the age characteristics of the studied categories of respondents. It is worth noting the existing gaps in assessing the importance of the analyzed indicators for the students and their satisfaction with these indicators (gaps 0.9-1.5 points).

Analysis of the contingency matrix of the Chinese students' attitude to the social environment of the universities with the elements of the culture model (Table 6) is significantly different from the analogous contingency matrix

for Russian students (Table 5). The Chinese students have a high relationship between the elements of the culture model and their attitude to all elements of the social environment of the University. Moreover, indicators of the importance of the elements of social environment of the university for Chinese students are almost identical to the indicators of their satisfaction with these elements.

Table 6. A matrix of correspondence of the Chinese students' attitude to the social environment of the universities with the elements of culture model, 2014, authoring

Elements of the culture model	Elements of the social environment of the universities											
	Housing and communal infrastructure		trade and public catering infrastructure		Domestic service infrastructure		Cultural and recreational infrastructure		Sport and recreation infrastructure		Communicational infrastructure	
	A <sup>1</sup>	B <sup>2</sup>	A	B	A	B	A	B	A	B	A	B
Values	4.5	4.5	4.4	4.3	4.4	4.4	4.5	4.4	4.5	4.5	4.4	4.3
Institutional environment	4.5	4.4	4.4	4.2	4.3	4.3	4.4	4.3	4.5	4.3	4.4	4.2
Material environment	4.4	4.3	4.3	4.2	4.3	4.2	4.4	4.2	4.4	4.3	4.3	4.1

Discription: A<sup>1</sup>—the important of the indicator for the respondent; B<sup>2</sup>—the respondents' satisfaction with the indicator

#### 4. Discussion

The scientific studies of international competitiveness of the universities originate from the researches of the scientists' who analyzed the competitiveness of educational services. At present, the understanding of educational service is being transformed; it includes not only the provided educational product, but also the characteristics of the environment in which it is provided (Barlett, 2011; Buela-Casal, 2007; deFilippo, 2012). The students' (consumers of educational services) requirements increase both for the quality of educational products, and for the social environment of the universities, this promotes not only the acquisition of knowledge, but also improving the quality of students' life during their studies at the university, and the role of the social component is reinforced with the development of the standard of living in country.

With the increased competition in the market of educational services, to increase the international competitiveness of the universities, it is necessary to take into account cross-cultural characteristics of the consumers of educational services (Agarwal, 2010; Dill, 2005; Gesteland, 2012; Hofstede, 2002). Cultural specificity of the students' behavior is a poorly-studied area of research. There are no large-scale studies that combine cross-cultural researches of competitiveness of the universities; this indicates the birth of a new vector of scientific researches.

The subject matter of the current researches in the field of international competitiveness of the universities mainly covers the construction of international universities' rankings (Buela-Casal, 2007; deFilippo, 2012; Filinov, 2002; Liu, 2005; Merisotis, 2005; Merisotis, 2005). Not enough attention is given to sorting out and analyzing the factors affecting the international competitiveness of the universities. The role of the social infrastructure of the universities in increasing their competitiveness is virtually ignored. In the present study we made an attempt to develop a methodological approach to the study of the effect of cross-cultural characteristics on students' attitudes toward the social infrastructure of the universities that makes a certain contribution to the development of theory and practice of the researches in this field. The development of further researches in this area can be designed to evaluate the quantitative and qualitative impact of the social environment of the universities on their international competitiveness, taking into account the cross-cultural aspects.

#### 5. Conclusion

In this study:

1) We developed tools to analyze the impact of cross-cultural differences on the students' attitude to the elements of the social environment of the universities.



2) We sorted out the features of the formation and construction of culture models, including a list of cultural values, elements of the institutional and financial environment, adapted to the market of educational services of individual countries in the Asia-Pacific region. Within the frameworks of cross-cultural analysis we revealed differences in the culture of China and Russia. It was found that the model of Chinese culture is largely characterized by such cultural values as health, safety, self-confidence. Distinctive cultural values of Russian students are breadth of views, development, and honesty. In the assessment of the elements of the institutional environment, the students of the analyzed cultures found significant gaps, especially in such indicators as the impact of the level of religious restrictions on the consumption and supply of educational services; it is more typical for Chinese students, to a lesser extent for Russian ones.

3) We suggest methodical tools to assess the impact of cultural elements on the students' attitude to the social environment of the universities (contingency matrix), which allowed to determine the cross-cultural gaps in the students' from different countries attitude to the social environment of the universities, which must be considered to improve the competitiveness of the universities in the educational market of Asia-Pacific countries. It was found that cross-cultural characteristics have a greater influence on the attitudes of Russian students to the housing and utilities infrastructure, sports and recreational infrastructure, and satisfaction of Russian students with the elements of the social environment of the universities is much lower than the importance of these indicators. In contrast to the Russian students, cross-cultural characteristics of Chinese students substantially affect all elements of the social environment of the universities (housing and utilities, catering and trade, consumer services, cultural and recreational, sports and fitness, communicational), and the satisfaction of Chinese students with the environment of the universities is high.

#### Acknowledgements

The results were achieved within the frameworks of the governmental assignment of Russian Ministry of Education and Science in the sphere of scientific research during the researching assignment # 26.1478.2014/K "The structural transformation of Russian Economy through the integration installation in the industrial markets of Asia-Pacific Region"

#### References

- Agarwal, J., Malhotra, N., Bolton, K., & Ruth, N. (2010). A Cross-National and Cross-Cultural Approach to Global Market Segmentation: An Application Using Consumers' Perceived Service Quality. *Journal of International Marketing*, 18(3), 18-40. <http://dx.doi.org/10.1509/jimk.18.3.18>
- Aghion, P., Dewatripoint, M., Hoxby, C. M., Mas-Colell, A., & Sapir, A. (2010). The governance and performance of research universities: Evidence from Europe and the USA. *Economic Policy*, 25(61), 7-59. <http://dx.doi.org/10.1111/j.1468-0327.2009.00238.x>
- Al-Hyari, K., Alnsour, M., Al-Weshah, G., & Haffar, M. (2012). Religious beliefs and consumer behavior: From loyalty to boycotts. *Journal of Islamic Marketing*, 3(2), 155-174. <http://dx.doi.org/10.1108/17590831211232564>
- Barlett, P. F. (2011). Campus sustainable food projects: Critique and engagement. *American Anthropologist*, 113, 101-115. <http://dx.doi.org/10.1111/j.1548-1433.2010.01309.x>
- Buela-Casal, G., Gutiérrez-Martínez, O., Bermúdez-Sánchez, M., & Vadillo-Muñoz, O. (2007). Comparative study of international academic rankings of universities. *Scientometrics*, 71(3), 349-365. <http://dx.doi.org/10.1007/s11192-007-1653-8>
- Cheung, F. M., Van de Vijver, F. J. R., & Leong, F. T. L. (2011). Toward a new approach to the assessment of personality in culture. *American Psychologist*, 66(7), 593- 603. <http://dx.doi.org/10.1037/a0022389>
- deFilippo, D., Casani, F., García-Zorita, C., Efraín-García, P., & Sanz-Casado, E. (2012). Visibility in international rankings. Strategies for enhancing the competitiveness of Spanish universities. *Scientometrics*, 93(3), 949-966. <http://dx.doi.org/10.1007/s11192-012-0749-y>
- Dill, D. D., & Soo, M. (2005). Academic quality, league tables and public policy: A cross-national analysis of university ranking systems. *Higher Education*, 49, 495-533. <http://dx.doi.org/10.1007/s10734-004-1746-8>
- Dimitrova, R., Bender, M., & Van de Vijver, F. J. R. (2014). *Global perspectives on well-being in immigrant families* (pp. 291-310). New York, NY: Springer. <http://dx.doi.org/10.1007/978-1-4614-9129-3>
- Filinov, N. B., & Ruchkina, S. (2002). The ranking of higher education institutions in Russia: Some methodological problems, *Higher Education in Europe*, 27, 407-421. <http://dx.doi.org/10.1080/0379772022000071896>

- Gelade, G. A. (2008). IQ, cultural values, and the technological achievement of nations. *Intelligence*, 36(6), 711-718. <http://dx.doi.org/10.1016/j.intell.2008.04.003>
- Gesteland, R. R. (2012). *Cross Cultural Business Behavior: Negotiating, Selling, Sourcing and Managing Across Cultures* (p. 400). Copenhagen Business School Press.
- Glänzel, W., & De Lange, C. (2002). A distributional approach to multinationality measures of international scientific collaboration. *Scientometrics*, 54, 75-89. <http://dx.doi.org/10.1023/A:1015684505035>
- Harrison, L. E. (2006). *The Central Liberal Truth: How Politics Can Change a Culture and Save It from Itself*. Oxford University Press.
- Harvey, L. (2008). Rankings of higher education institutions: A critical review. *Quality in Higher Education*, 14(3), 187-207. <http://dx.doi.org/10.1080/13538320802507711>
- Hofstede, G. J., Pedersen, P. B., & Hofstede, G. (2002). *Exploring Culture: Exercises, Stories and Synthetic Cultures*. Yarmouth, Maine: Intercultural Press.
- Kuznetsova, E. G. (2010). Personal values: concept, approaches to classification. *Vestnik OSU*, 116(10), 20-24
- Li, M., Shankar, S., & Tang, K. K. (2011). Why does the USA dominate university league tables? *Studies in Higher Education*, 36(8), 923-937. <http://dx.doi.org/10.1080/03075079.2010.482981>
- Liu, N. C., & Cheng, Y. (2005). The academic ranking of world universities. *Higher Education in Europe*, 30, 127-136. <http://dx.doi.org/10.1080/03797720500260116>
- Merisotis, J. P., & Sadlak, J. (2005). Higher education rankings: Evolution, acceptance, and dialogue. *Higher Education in Europe*, 30, 97-101. <http://dx.doi.org/10.1080/03797720500260124>
- Merisotis, J. P. (2005). On the ranking of higher education institutions. *Higher Education in Europe*, 30, 361-363. <http://dx.doi.org/10.1080/03797720500260124>
- Mohrman, K. (2013). Are Chinese universities globally competitive? *China Quarterly*, 215, 727-734. <http://dx.doi.org/10.1017/S0305741013000672>
- Mok, K. H., & Cheung, A. B. L. (2011). Global aspirations and strategizing for world-class status: New form of politics in higher education governance in Hong Kong. *Journal of Higher Education Policy and Management*, 33(3), 161-165. <http://dx.doi.org/10.1080/1366080X.2011.564998>
- Mok, K. H. (2014). Enhancing quality of higher education for world-class status: Approaches, strategies, and challenges for Hong Kong. *Chinese Education and Society*, 47(1), 44-64. <http://dx.doi.org/10.2753/CED1061-1932470103>
- Redden, G. (2011). Religion, cultural studies and new age sacralization of everyday life. *European Journal of Cultural Studies*, 14(6), 649-663. <http://dx.doi.org/10.1177/1367549411419977>
- Rodionov, D. G., Rudskaia, I. A., & Alexandrovna, K. O. (2014). How key Russian Universities advance to become leaders of worldwide education: Problem analysis and solving. *World Applied Sciences Journal*, 31(6), 1082-1089.
- Sankaran, K. A., & Demangeot, C. (2011). On becoming a culturally plural consumer. *Journal of Consumer Marketing*, 28(7), 540-549. <http://dx.doi.org/10.1108/07363761111181536>
- Yaşar, M., & Paul, C. J. M. (2012). Firm performance and knowledge spillovers from academic, industrial and foreign linkages: The case of China. *Journal of Productivity Analysis*, 38, 237-253. <http://dx.doi.org/10.1007/s11123-011-0262-y>
- Yonezawa, A., Nakatsui, I., & Kobayashi, T. (2002). University rankings in Japan. *Higher Education in Europe*, 27, 373-382. <http://dx.doi.org/10.1080/0379772022000071850>
- Yousaf, S., & Malik, M. S. (2013). Evaluating the influences of religiosity and product involvement level on the consumers. *Journal of Islamic Marketing*, 4(2), 163-186. <http://dx.doi.org/10.1108/17590831311329296>

### Copyrights

Copyright for this article is retained by the author(s), with first publication rights granted to the journal.

This is an open-access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).