Human Capital Management in the Wandering Context of Events – Challenges for the Managerial Staff

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Chapter 1

EMPLOYEE DEVELOPMENT AND COMPETENCY MANAGEMENT IN MNCs – A COMPARISON BETWEEN EASTERN AND WESTERN EUROPE

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1.1. Introduction

The business environment is constantly changing and this means that companies must invest in the development of employees and their competencies in order to function in newly emerging contexts. This is due to the fact that the adaptive and developmental capabilities of the organization depend on the adaptive and developmental efficacy of their employees. For this reason, two subfunctions of HRM, i.e. employee development (ED) and competency management (CM), are the subject of interest in this chapter. These are the types of personnel activities that seem to be of particular importance in the knowledge-based economy because they not only enable the achievement of intended performance results by organizations, but also determine their competitive position on the market.

These two HRM subfunctions and their relation with the financial results of the organization were considered in the context of multinational companies (MNCS). A review of literature in this area has led to the conclusion that when examining such relations, several basic variables should be taken into account. This concerns the variables that shape this context in a specific way in this kind of enterprises, and include the advancement of the HRM subfunction, its contribution level to the company's financial performance, the centralization of decisions at the level of headquarters (HQ), and the flows of knowledge & skills between the HQ and foreign subsidiaries (FSs).

The research in the range of the above-mentioned issues was conducted in various MNCs. Yet so far, not many of them were devoted exclusively to the MNCs created in Central Europe. Hence, **the goal of this chapter** is to identify the differences and

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similarities within the scope of ED and CM between local subsidiaries belonging to Central European MNCs, but located in Eastern and Western Europe. Therefore, at the outset, this chapter briefly reviews the literature on the variables describing ED and CM in MNCs. Next, the methodics of the empirical research is discussed and the results of this research presented. Finally, the last part is devoted to the formulation of the main conclusions.

1.2. Theoretical foundations for the variables describing ED & CM in MNCs

The relations between human resources management (HRM) and company performance have been the subject of research interest for several decades. Some researchers studied the overall relations of the HRM function with company performance (Boon, Den Hartog, and Lepak, 2019; Guest, Michie, Conway, and Sheehan, 2003; Katou and Budhwar, 2010; Kunasz and Zwiech, 2016; Stor, 2021, p. 125; Wright, Gardner, Moynihan, and Allen, 2005), while others were interested only in the selected HRM subfunctions. The general conclusion from these studies is that the appropriately selected HRM activities, tailored to the needs of both employees and organizations, can have a positive impact on the company's performance. This also applies to the two HRM subfunctions included in the title of this Chapter. The relations between employee development (ED) and the company's performance results (e.g. Ali, Bashir, and Mehreen, 2019; Garavan et al., 2021; Jacobs and Washington, 2003; Jangbahadur and Sharma, 2018; Kim, 2020; Moon and Choi, 2017; Selmer, Ebrahimi, and Mingtao, 2002), as well as the associations between competency management (CM) and the company's results (Ali et al., 2019; Hawi, Alkhodary, and Hashem, 2015; Kupczyk and Stor, 2017; Mendryk, 2016; Salman, Ganie, and Saleem, 2020; Stor and Haromszeki, 2021; Rakowska and Juana-Espinosa, 2021; Wojtczuk-Turek, 2014) were confirmed in various studies, including those with an emphasis on the financial performance of the organization (c.f. Farndale, Pai, Sparrow, and Scullion, 2014; Huselid, 1995; Malmström, Wincent, and Johansson, 2013; Salman et al., 2020; Stor and Haromszeki, 2021).

A single subfunction of HRM can be described by a variety of variables. Undoubtedly, the level of its advancement and its significance for the company's financial performance can be considered with such standard variables. It is worth noting that significance can be understood as a perceived contribution of a single HRM subfunction to the financial performance of a company and depends on its advancement level (Anzengruber, Goetz, Nold, and Woelfle, 2017; Becker, Huselid, and Ulrich, 2001; Malmström et al., 2013; Stor and Haromszeki, 2020). This means, therefore, that both ED and CM can be described by their advancement and contribution levels. At this point, one should mention that in this chapter, employee development is defined as activities that aim at preparing employees to perform work and take positions which are of higher responsibility. This involves providing the employee with knowledge and skills that may be used immediately on the

job or at some time in the future. In the research presented in a further section, it also covers training activities which are meant to upgrade employees' skills and knowledge in order to increase their efficiency and/or effectiveness. Regarding competency management, this is understood here as a set of activities aimed at identifying, acquiring, developing and retaining in the organization such employee competencies that support the company performance and enable the implementation of its strategic goals (Stor, 2016).

Since ED and CM were considered in the context of MNCs, the literature review conducted in this area led to the conclusion that three other variables play important roles in the description of these HRM subfunctions, i.e. centralization of decisions at the headquarters' (HQ) level and the flows of knowledge & skills between the HQ and foreign subsidiaries (FSs) in two directions: from the HQ to FS and from FS to the HQ. The research to date has focused, among others, on the general interdependence of centralization and autonomy within management science, research and practice (Young, Tavares, 2004), the positive and negative impact of the HRM centralization on knowledge sharing contingent upon situational factors (Fenton-O'Creevy, Gooderham, and Nordhaug, 2008), and the control mechanism used by the headquarters (Maatman and Meijerink, 2017). Against this background, researchers were also interested in the transfer of HRM knowledge and the learning functions of this process (Tsang, 1999), including the transfer of knowledge in the field of individual HRM subfunctions (Minbaeva, 2005), multilevel knowledge sharing constructs (Minbaeva, Pedersen, Björkman, and Fey, 2014), the effects of horizontal and vertical outflows of FS' knowledge (Fernandes, Griffith, and Lages, 2014), the importance of HRM knowledge transfer to the achieved organizational outcomes (Poór, Juhász, Machová, Bencsik, and Bilan, 2018) and standardization practices in different countries (Edwards, Sánchez-Mangas, Jalette, Lavelle, and Minbaeva, 2016). The results of all these studies led to the conclusion that in the relation between the HQ and the FS, the centralization practices and the direction of knowledge flows may be similar in selected or even in all subfunctions of HRM. It can therefore be assumed that related subfunctions, such as ED and CM, can show significant similarities in this respect.

So far, little research has focused on the above-mentioned phenomena in MNCs established in Central and Eastern Europe (Farndale and Sanders, 2017, p. 1630), particularly those countries that between the end of the World War II in 1945 and the end of the Cold War in 1991 were called the 'Socialist Bloc' or the Soviet Block because they made up the group of socialist countries under the influence and control of the Soviet Union. In most cases, the research on MNCs included organizations from developed countries (mostly from the West), whose foreign direct investment (FDI) was located in less developed countries (e.g. Brewster, 2007; Morley, Heraty, and Michailova, 2009; Wilkinson and Wood, 2017), and at the same time did not take a holistic view of the variables indicated here as describing a given subfunction of HRM to study them together. Therefore, it can be said that this is a specific research gap.

1.3. The empirical research methodics

As a result of the theoretical findings, the **main goal of the empirical research** was to determine whether there are identifiable regularities that differentiate, or make ED and CM similar, in Eastern Europe and Western Europe. To reach this goal the following **research questions** were formulated:

- 1. What are the advancement levels of ED and CM and their individual components?
- 2. What are the contribution levels of ED and CM to the company's financial results?
- 3. What are the relations between the HQ and its FSs in terms of the knowledge & skills flows and the centralization levels of ED and CM?
- 4. What is the relation between the advancement levels of ED and CM and the company's financial results?
 - 5. How are the above phenomena shaped in Eastern Europe and Western Europe? The literature review also led to the formulation of the following **hypotheses**:
- **H**₁: There is a positive correlation between the advancement level of ED and CM.
- H₂: There is a positive correlation between the contribution level of ED and CM to the company's finacial results.
- H₃: There is a positive correlation between the centralization level of ED and CM.
- **H**₄: There is a positive correlation between the knowledge & skills transfer from the HQ to FS within ED and within CM.
- **H**₅: There is a positive correlation between the knowledge & skills transfer to the HQ from FS within ED and within CM.
- **H**₆: The higher the advancement level of ED, the better the company's financial results.
- **H**₇: The higher the advancement level of CM, the better the company's financial results.

The research was conducted in 2018, as part of a larger research project financed by the National Science Center¹, on a sample of 185 MNCs headquartered in Poland and with a dominant share of Polish capital, of which 83 had their foreign subsidiaries in Eastern Europe and 102 in Western Europe. The demarcation line between Eastern and Western Europe runs in accordance with the division used in the past to determine the countries that formed the two parts, the so-called Capitalist Bloc and Socialist (or Soviet) Bloc in Europe.

The structure of the surveyed population was diversified in terms of the profile of economic activity according to the ECBA (European Classification of Business

¹ Project No 2016/23/B/HS4/00686, entitled *Human resources as a strategic competitive factor of companies realizing foreign direct investment*.

Activity), the period of operation on the market, the size measured by the number of employees and the ownership structure of the shares, or resources of the foreign entities that were under the control of the Polish parent company. The respondents were those with the best knowledge on both business and HRM issues, i.e. HR managers (20.5%), HR directors (35.5%), managing directors (42.5%) and business owners (1.5%). In order to identify the phenomena of a cause-and-effect nature, they made an assessment of specific phenomena in the context of the last three years. The survey was commissioned for the ICAN Institute (the former publisher of the Harvard Business Review Poland). The study was performed using the CATI and CAWI methods.

The following measures were used to the particular variables incorporated in the research questions and tested hypotheses:

- the advancement levels of ED and CM were calculated as means of their composing elements (6 in ED see Figure 1.1, and 8 in CM see Figure 1.2), which were evaluated by the respondents in comparison to the general trends based on the best worldwide practices on a five-degree scale (see Tables 1.1 and 1.2);
- the contribution levels of ED and CM to the company's financial performance were appraised on a five-degree scale (see Tables 1.1 and 1.2);
- the relations between the HQ and FS where determined on the basis of three dimensions: the centralization levels of ED and CM practiced by the HQ toward the FS, and the significance of knowledge & skills transfer within EPA and ED in two directions, i.e. (1) from the HQ to its FS, and (2) from a FS to its HQ; the respondents used two five-degree scales (see Tables 1.1 and 1.2);
- the financial results of FS were evaluated by the respondents in a benchmarking process, i.e. by comparing to the main competitors on the local market on the following scale: 1 poor, 2 below average, 3 similar to others, 4 above average, 5 very good.

To analyze the collected data both descriptive and correlational statistical methods were used. Firstly, internal consistency within the questionnaires on ED and CM was checked. Cronbach's alpha, as a measure, was used and showed the questionnaires to attain good reliability, both for ED (α = 0.686) and CM (α = 0.765). All the items appeared to be worthy of retention, resulting in a decrease in the alpha if deleted. Secondly, due to the relative lack of normality distributions of the tested variables, a non-parametric analysis was performed. To determine if there was a significant difference between the means of the two groups, the non-parametric Wilcoxon-Mann-Whitney test was used. The results confirmed the existence of such differences. Furthermore, in order to verify the interrelation between the variables under study, a series of correlation analyzes was made employing Spearman's method. All the calculations were performed using Statistica v. 13.3 – an advanced analytics software package with the level of significance set to alpha = .05.

1.4. The empirical research findings

The financial results of enterprises constituted the basic context for the research results. These results were reported as good, both the MNCs with FS in Eastern Europe ($\bar{x} = 3.72$), and in Western Europe ($\bar{x} = 3.79$). As presented in Table 1.1, the advancement level of ED was relatively high, although slightly higher in Western Europe ($\bar{x} = 3.86$) than in Eastern Europe ($\bar{x} = 3.76$). Interestingly, in both regions the contribution level of ED to the company's financial results was evaluated as important, but in this case it was slightly more important in Eastern Europe ($\bar{x} = 3.47$) than in Western Europe ($\bar{x} = 3.32$).

As for the relations between the HQs and FSs with the scope of ED, in the entire research sample they were rather based on the detailed policies, procedures and rules provided by the HQ to the FSs, however some more centralization practices are experienced in Eastern Europe ($\bar{x}_{\rm EE} = 2.83, \bar{x}_{\rm WE} = 2.75$). The knowledge & skills flows within ED were moderately important in both directions but in Eastern Europe, compared to Western Europe, the transfer from the HQs to FSs was appraised higher ($\bar{x}_{\rm EE} = 3.59, \bar{x}_{\rm WE} = 3.35$), and the transfer in the opposite direction lower ($\bar{x}_{\rm EE} = 3.24, \bar{x}_{\rm WF} = 3.34$).

Eastern Europe Western Europe Variables XEE \overline{X}_{WF} Advancement level of ED 3.76 3.86 Contribution level of ED 3.47 3.32 2.75 Centralization level of ED 2.83 Knowledge & skills transfer from the HQ to FS within ED 3.59 3.35 Knowledge & skills transfer to the HQ from to FS within ED 3.24 3.34

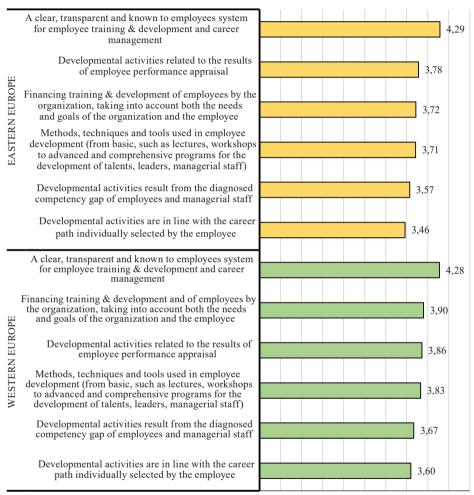
Table 1.1. The mean values of the variables describing employee development (ED)

Scales: advancement level \rightarrow comparison to the general trends based on the best worldwide practices: 1-very low, 2-low, 3-average, 4-high, 5-very high; contribution level (significance) to the company's performance results: 1-not important, 2-slightly important, 3-important, 4-very important, and 5-of critical significance; centralization level: 1-decentralization (each subsidiary has full autonomy), 2-general guidelines and framework provided by the HQ, 3-detailed policies, procedures and rules provided by the HQ, and 4-centralization (centralized decision-making and tight control over realization); knowledge & skills transfer: 1-not important, 2-slightly important, 3-moderately important, 4-important, and 5-very important.

Source: own research data.

Considering the composing elements of ED, in Eastern Europe their advancement levels were in the interval between $\bar{x}=4.29$ and $\bar{x}=3.46$, while in Western Europe between $\bar{x}=4.28$ and $\bar{x}=3.60$. In both regions first place was occupied by a system clear, transparent and known to employees system, used for employee training & development and career management ($\bar{x}_{EE}=4.29$, $\bar{x}_{WE}=4.28$). Two other places were taken by the same components, but in a reverse order. Developmental activities related to the results of employee performance appraisal come second in Eastern

Europe ($\bar{x} = 3.78$) and third in Western Europe ($\bar{x} = 3.86$), whereas financing training and development of employees by the organization, taking into account both the needs and goals of the organization and the employee – came second in Western Europe ($\bar{x} = 3.90$) and third in Eastern Europe ($\bar{x} = 3.72$). The order of the other ED components was the same in both regions, although with slightly different mean values, as shown in Figure 1.1.



0,00 0,50 1,00 1,50 2,00 2,50 3,00 3,50 4,00 4,50 5,00

The evaluation scale for advancement level: comparison to the general trends based on the best worldwide practices: 1 - very low; 2 - low; 3 - average; 4 - high; 5 - very high.

Figure 1.1. The ranking of the mean values of the advancement levels of particular components of employee development (ED)

Source: own research data.

Regarding the advancement level of CM, similarly to ED it was relatively high, but again – slightly higher in Western Europe ($\bar{x} = 3.76$) than in Eastern Europe ($\bar{x} = 3.66$). However, as shown in Table 2, this time the contribution level of CM to the company's financial performance results was slightly more important in Western Europe ($\bar{x}_{\text{EE}} = 3.30$, $\bar{x}_{\text{WE}} = 3.35$).

The relations between the HQs and FSs with the scope of CM in the entire research sample were based on the detailed policies, procedures and rules provided by the HQ to the FSs, and similarly to ED – a slightly higher level of centralization was observed in Eastern Europe ($\bar{x}_{EE} = 2.65$, $\bar{x}_{WE} = 2.59$). Both directions of the knowledge & skills flows within CM were moderately important, but in Western Europe, compared to Eastern Europe, both the transfer from the HQs to FSs ($\bar{x}_{EE} = 3.33$, $\bar{x}_{WE} = 3.49$) and from the FSs to the HQs ($\bar{x}_{EE} = 3.11$, $\bar{x}_{WE} = 3.25$) were appraised somewhat higher.

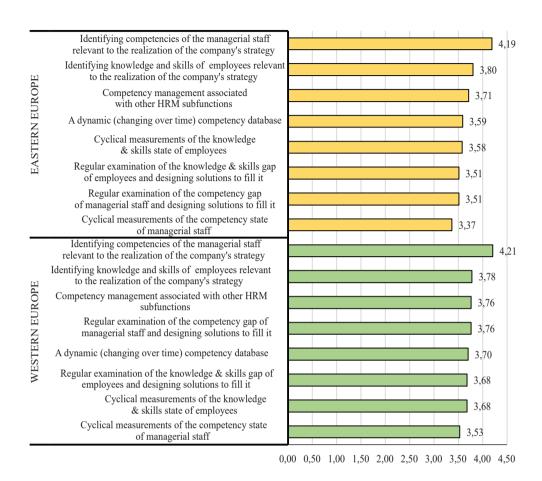
Table 1.2. The mean va	lues of the variables	describing competen	ncy management	(CM)

Variables	Eastern Europe \overline{x}_{EE}	Western Europe \overline{x}_{WE}
Advancement level of CM	3.66	3.76
Contribution level of CM	3.30	3.35
Centralization level of CM	2.65	2.59
Knowledge & skills transfer from the HQ to FS within ED	3.33	3.49
Knowledge & skills transfer to the HQ from to FS within ED	3.11	3.25

Scales: advancement level \rightarrow comparison to the general trends based on the best worldwide practices: 1-very low, 2-low, 3-average, 4-high, 5-very high; contribution level (significance) to the company's performance results: 1-not important, 2-slightly important, 3-important, 4-very important, and 5-of critical significance; centralization level: 1-decentralization (each subsidiary has full autonomy), 2-general guidelines and framework provided by the HQ, 3-detailed policies, procedures and rules provided by the HQ, and 4-centralization (centralized decision-making and tight control over realization); knowledge & skills transfer: 1-not important, 2-slightly important, 3-moderately important, 4-important, and 5-very important.

Source: own research data.

Moving on to the analysis of the composing elements of CM, it can be said that three types of activities were ranked in the same way. These were (in descending order): identifying relevant competencies of the managerial staff ($\bar{x}_{\rm EE}=4.19$, $\bar{x}_{\rm WE}=4.21$) and identifying knowledge & skills of employees relevant to the realization of the company's strategy ($\bar{x}_{\rm EE}=3.80$, $\bar{x}_{\rm WE}=3.78$) and competency management associated with other HRM subfunctions ($\bar{x}_{\rm EE}=3.71$, $\bar{x}_{\rm WE}=3.76$). Then, except for the sixth position occupied by regular examination of the knowledge & skills gap of employees and designing solutions to fill it ($\bar{x}_{\rm EE}=3.51$, $\bar{x}_{\rm WE}=3.68$) and the last position held by cyclical measurements of the competency state of managerial staff ($\bar{x}_{\rm EE}=3.37$, $\bar{x}_{\rm WE}=3.53$), all the other components of CM appeared in a different order in both regions as shown in Figure 1.2.



The evaluation scale for advancement level: comparison to the general trends based on the best worldwide practices: 1 - very low; 2 - low; 3 - average; 4 - high; 5 - very high.

Figure 1.2. The ranking of the mean values of the advancement levels of particular components of competency management (CM)

Source: own research data.

The associations between the selected variables describing ED and CM are depicted in Table 1.3. The results of a correlation test revealed that there was a positive correlation between the advancement level of ED and CM, in both Eastern (r = .64) and Western Europe (r = .46). There was also a positive correlation between the contribution level of ED and CM to the company's financial performance results in both of these regions (with r = .26 for EE and r = .31 for WE); all this leads to the confirmation of hypotheses \mathbf{H}_1 and \mathbf{H}_2 .

Referring to the relations between the HQs and their FSs, another correlation test helped to assess them in three adopted dimensions. In the first one, a positive

correlation between the centralization level of ED and CM was found in Eastern (r=.32) and Western Europe (r=.25), which confirms hypothesis \mathbf{H}_3 . In the second one, a positive correlation between the knowledge & skills transfer from the HQ to FS within ED and within CM was identified, again both in Eastern (r=.22) and Western Europe (r=.28). This allowed to accept hypothesis \mathbf{H}_4 . In third one, hypothesis \mathbf{H}_5 could only be partially accepted as a positive correlation between the knowledge & skills transfer to the HQ from FS within ED and within CM was found in Eastern Europe (r=.41), but no statistically significant relations were identified in Western Europe.

Table 1.3. The correlation matrix of the variables describing employee development (ED) and competency management (CM)

Variable	Contribution level of CM	Centralization level of MC	Knowledge & skills transfer from the HQ to FS within CM	Knowledge & skills transfer to the HQ from FS within CM	Advancement level of CM
		Eastern Euro	ope		
Contribution level of ED	0.26*	0.05	0.22*	0.20	0.00
Centralization level of ED	0.14	0.32*	-0.03	0.12	0.14
Knowledge & skills transfer from the HQ to FS within ED	0.21	-0.11	0.22*	0.30*	0.12
Knowledge & skills transfer to the HQ from FS within ED	-0.15	-0.23*	0,09	0.41*	0.40*
Advancement level of ED	-0.32*	-0.31*	-0.07	0.21	0.64*
		Western Eur	ope		
Contribution level of ED	0.31*	0.25*	0.07	0.12	0.18
Centralization level of ED	-0.17	0.25*	-0.17	0.00	0.10
Knowledge & skills transfer from the HQ to FS within ED	0.32*	0.14	0.28*	0.17	0.06
Knowledge & skills transfer to the HQ from FS within ED	0.08	0.19	0.14	0.17	0.37*
Advancement level of ED	0.16	0.11	0.13	0.31*	0.46*

^{*} Spearman's r significant at p < .05000. -/ - correlation coefficient statistically significant for the tested hypotheses in Eastern Europe and Western Europe respectively.

Source: own research data.

In the final correlation test, attention was focused on the relations between the advancement levels of the two studied HRM subfunctions and the financial results of the companies. The outcomes of this test are presented in Table 1.4, and allow to confirm hypotheses \mathbf{H}_6 and \mathbf{H}_7 in full for the two regions; this is because two phenomena were identified. The first one was related to the simultaneous occurrence of a higher advancement level of ED with better financial results of the company, both in Eastern (r = .30) and Western Europe (r = .20), while the second one referred to the simultaneous occurrence of the higher advancement level of CM with better financial results of the company, and gains – both in Eastern (r = .34) and Western Europe (r = .20).

Table 1.4. The results of a correlation test for the advancement level of employee development (ED), competency management (CM) and the company's financial performance

Variable	Geographical regions	Company's financial results
The advancement level of ED	Eastern Europe	0.30*
The advancement level of ED	Western Europe	0.20*
The advancement level of CM	Eastern Europe	0.34*
The advancement level of CW	Western Europe	0.20*

^{*} Spearman's r significant at p < .05000.

Source: own research data.

1.5. Final conclusions and research summary

The main goal of the empirical research was to determine whether there were identifiable regularities which differentiate or make ED and CM similar in Eastern Europe and Western Europe. To reach this goal, five variables describing each of these two HRM subfunctions were included in the study, i.e. the advancement level, the contribution level, the centralization level, the significance of knowledge & skills transfer from the HQs to FSs and the same transfer but in the opposite direction. Additionally, the relations between the advancement levels of ED and CM with the company's financial performance were analyzed. It appears that the research goal can be regarded as achieved, because the conducted research and the data analysis made it possible to juxtapose ED and CM due to the assessment of their similarities and differences.

To summarize, it can be concluded that in the analyzed period, MNCs and their FSs in both regions had good financial results. In this context the advancement levels of their ED and CM practices were relatively high, although slightly higher in Western Europe than in Eastern Europe. The contribution levels of ED and CM to the company's financial performance results were important, however some differences were identified, namely the contribution level of ED appears to be slightly more

important in Eastern Europe, whereas the contribution level of CM was somewhat more important in Western Europe.

Considering the composing elements of ED, except for two of them, i.e. developmental activities related to the results of employee performance appraisal which were ranked second in Eastern Europe and third in Western Europe, and financing training & development of employees by the organization, while taking into account both the needs and goals of the organization and the employee which were ranked second in Western Europe and third in Eastern Europe – the order of the other ED components was the same in both regions. This was slightly different in the case of CM, where half of the components were of the same rank in both regions, while the other half of the components were in different positions; neither in Eastern Europe nor in Western Europe were any of the ED and CM components rated as low or very low.

Referring to the relations between the HQs and their FSs, it can be said that both in terms of ED and CM they were based on rather detailed policies, procedures and rules provided by the HQ to the FSs in the entire research sample, however some more centralization practices were observed in Eastern Europe. Although the knowledge & skills flows in both directions within ED and CM were moderately important in both regions, some differences were identified. In Eastern Europe the transfer within ED from the HQs to FSs was appraised higher, whilst the transfer in the opposite direction lower than in Western Europe, whereas in Western Europe both the transfer within CM from the HQs to FSs and in the opposite direction were appraised slightly higher.

As for the relations between the all the variables describing ED and CM, the identified regularities common for Eastern and Western Europe were as follows:

- the higher the advancement level of ED, the higher the advancement level of CM,
- the higher the contribution level of ED to the company's financial results, the higher the contribution level of CM to the company's financial results as well,
- the higher the centralization level of ED, the higher the centralization level of CM,
- the more important the knowledge & skills transfer within ED from the HQ to FS, the more important the knowledge & skills transfer within CM from the HQ to FS.

In the scope of the variables describing ED and CM, one regularity was not shared by both regions. Namely, only in Eastern Europe a positive correlation was found between the knowledge & skills transfer to the HQ from FS within ED, and within CM. Hence, it can be said that in Eastern Europe the more important the knowledge & skills transfer within ED to the HQ from FS, the more important the knowledge & skills transfer within CM to the HQ from FS. As was said, such a phenomenon was not observed in Western Europe.

Finally, considering the relations between ED and CM with the company's financial performance, two regularities were common for Eastern and Western Europe. The first one was that the higher the advancement level of ED, the better the company's financial results. The second was that the higher the advancement level of CM, the better the company's financial performance results.

Thus, ultimately it can be concluded that the study allowed for the identification of the differences and similarities within the scope of ED and CM between Eastern and Western Europe, which means that **the goal set for this chapter** was achieved.

However, the conducted research has some limitations, for example, a research sample consisted of unequal number of organizations representing Eastern and Western Europe. Moreover, the sample covered only MNCs headquartered in Poland and with a dominant share of Polish capital (although intending to develop a perspective from Central Europe onto Eastern and Western Europe). This means that the research conclusions cannot be extended to all MNCs operating in Europe. In addition, the survey was not conducted in foreign subsidiaries, but only in the HQs of MNCs. The validity of this study may be also weakened by the fact that the measures used for the evaluation of the company's financial performance were based on subjective benchmarking instead of hard indicators, i.e. the respondents compared the financial results of their companies with those of their local competitors.

Yet, the value of the research findings seems to be unquestionable. On the one hand, they confirm the relations between ED and CM with the company's financial performance which were also identified by other researchers in numerous studies, while at the same time, they provide some knowledge on the similarities and differences between Eastern and Western Europe with regard to ED and CM practices. This was accompanied by a unique perspective: through the prism of the Central European MNCs, a comparison of the variables describing ED and CM in FSs located in Eastern and Western Europe was made, which also sheds some light on new, interesting regularities identified in this respect. This is important because most of the research to date, even if conducted on a larger number of MNCs, covered organizations in which the majority share of the capital belonged to MNCs from Western Europe or the USA. The additional value of the research results is the possibility of formulating practical recommendations that can support the managerial staff in answering the question of how to develop employees and manage their competencies in order to gain the expected financial results of the company. This is primarily about creating solutions useful in making decisions regarding, for example, the number and type of competency management components, their interrelations, as well as the relations between competency management and other subfunctions of HRM. This is essentially about creating solutions that are useful and effective in making decisions regarding, for example, the number and type of activities composing ED and CM, the relations between these activities, as well as interrelations between ED and CM themselves in conjunction with the company's financial performance.

REFERENCES

- Aamondt, M. G. (2004). Applied industrial/Organisational psychology (4th ed.). Thomson/Wadsworth.
- Abualoush, S., Bataineh, K., and Alrowwad, A. A. (2018). The role of knowledge management process and intellectual capital as intermediary variables between knowledge management infrastructure and organization performance. Interdisciplinary Journal of Information. *Knowledge, and Management*, 13, 279.
- Ackermann, K. F. (2017). Badania nad zielonym zarządzaniem zasobami ludzkimi. Stan według współczesnej wiedzy. Zarządzanie Zasobami Ludzkimi, (6).
- 4. Adenuga, O. A. (2015). Impact of occupational stress on job satisfaction and mental health of first bank employees: Implication for personnel psychologists. *American Journal of Psychology and Cognitive Science*, 1(1), 1-21.
- Akkermans, J., Richardson, J., and Kraimer, M. L. (2020). The COVID-19 crisis as a career shock: Implications for careers and vocational behavior. *Journal of Vocational Behaviour*, (119). https://doi.org/10.1016/j.jvb.2020.103434
- 6. Al Mansoori, S., Salloum, S. A., and Shaalan, K. (2021). The impact of artificial intelligence and information technologies on the efficiency of knowledge management at modern organizations: A systematic review. In M. Al-Emran, K. Shaalan, A. Hassanien (Eds.), Recent advances in intelligent systems and smart applications. Studies in systems, decision and control (vol. 295). Springer, Cham.
- Al-Ajmi, R. (2001). The effect of personal characteristics on job satisfaction: A study among male managers in the Kuwait oil industry. *International Journal of Commerce & Management*, (11), 91-101
- 8. Ali, Z., Bashir, M., and Mehreen, A. (2019). Managing organizational effectiveness through talent management and career development: The mediating role of employee engagement. *Journal of Management Sciences*, 6(1), 62-78.
- Alli, B. O. (2008). Fundament al principles of occupational health and safety. Geneve: International Labour. Retrieved July 14, 2020 from https://www.ilo.org/wcmsp5/groups/public/@dgreports/@dcomm/@publ/documents/publication/wcms_093550.pdf
- Amos, P. M., Acquah, S., Antwi, T., and Adzifome, N. S. (2015). A comparative study of factors influencing male and female lecturers' job satisfaction in Ghanaian higher education. *Journal of Education and Practice*, 6(4), 1-11.
- Anzengruber, J., Goetz, M., Nold, H. and Woelfle, M. (2017). Effectiveness of managerial capabilities at different hierarchical levels. *Journal of Managerial Psychology*, 32(2), 134-148. doi: http://dx.doi.org/10.1108/JMP-12-2015-0451
- 12. Armstrong, M. (2000). Zarządzanie zasobami ludzkimi. Kraków: Oficyna Ekonomiczna.
- 13. Armstrong, M. (2006). A handbook of human resource management practice. Kogan Page Publishers.
- 14. Arokiasamy, L., Mansouri, N., Balaraman, R. A., and Kassim, N. (2017). A literature review of competence development on academic career advancement: A human resource development perspective. *Global Business & Management Research*, 9(1), 403-414.
- 15. Aspekty pracy zdalnej z perspektywy pracownika, pracodawcy i gospodarki. (2021). Retrieved December 15, 2021 from https://www.parp.gov.pl/component/publications/publication/aspekty-pracy-zdalnej-z-perspektywy-pracownika-pracodawcy-i-gospodarki
- Assen, M. F. (2021). Training, employee involvement and continuous improvement the moderating effect of a common improvement method. *Production Planning & Control*, 32(2), 132-144. doi: 10.1080/09537287.2020.1716405

- 17. Auer, P. (2006). Protected mobility for employment and decent work: Labour market security in a globalized work. *Journal of Industrial Relations*, 48(1), 21-40. doi: 10.1177/0022185606059312
- 18. Bachtiar, D., Sudibjo, N., and Bernarto, I. (2018). The effects of transformational leadership, perceived organizational support on job and life satisfaction of preschool teachers. *International Information Institute (Tokyo) Information*, (21), 1301-1320.
- Bajpai, N., and Srivastava, D. (2004). Sectorial comparison of factors influencing job satisfaction in Indian banking sector. Singapore Management Review, (26), 89-99.
- 20. Balcerzyk, R. (2021). Intra-organizational conditions in knowledge sharing. *European Research Studies Journal*, 24(1), 762-775.
- 21. Barley S. R., Bechky B. A., and Milliken, F. J. (2017). The changing nature of work: Careers, identities, and work lives in the 21st century. *Academy of Management Discoveries*, 2(3).
- Bartkowiak, G. (2009). Człowiek w pracy. Od stresu do sukcesu w organizacji. Warszawa: Polskie Wydawnictwo Ekonomiczne.
- Bartram, D., and Roe, A. R. (2005). Definition and assessment of competences in the context of the European Diploma in Psychology. European Psychologist, 10(2), 93-102.
- 24. Bateh, D. (2018). Leadership style from millennials to generation z transformed (Conference paper). Academy of Management. Retrieved from https://www.researchgate.net/publication/331736235 Leadership from Millennials to Generation Z Transformed
- 25. Batko, R. (2021). Management and organisation in the age of AI. The Routledge Social Science Handbook of AI.
- 26. Becker, B. E., Huselid, M. A., and Ulrich, D. (2001). *The HR scorecard: Linking people, strategy, and performance*. Boston: Harvard Business School Press.
- 27. Bekesiene, S., and Prūsevičius, G. (2020). Simulators usage assessment for higher military readiness. Challenges to National Defence in Contemporary Geopolitcal Situation, (1), 114-124.
- 28. Belina, B. (2017). Szkolenie i doskonalenie jako jeden z kluczowych czynników rozwoju organizacji. *Polish Journal of Continuing Education*, (4), 128-137.
- Bersin, J. (2021). AI-enabled coaching is hot. And there's lots more to come. Retrieved February 12, 2022 from https://joshbersin.com/2021/07/ai-enabled-coaching-is-hot-and-theres-lots-more-to-come/
- 30. Blanchard's Annual Survey Assessing L&D Trends. (2022). *Learning and development in a hybrid world*. Retrieved February 3, 2022 from https://www.blanchardaustralia.com.au/static/uploads/files/2022-trends-report-l-d-in-a-hybrid-world-wfreemwqheyz.pdf
- Boon, C., Den Hartog, D. N., and Lepak, D. P. (2019). A systematic review of human resource management systems and their measurement. *Journal of Management*, 45(6), 2498-2537. https://doi.org/10.1177/0149206318818718
- 32. Boulton, G. (2011). Harvesting talent: Strengthening research careers in Europe. *Procedia Social and Behavioral Sciences*, 13(1), 3-34.
- 33. Brayfield, A. H., and Rothe, H. F. (1951). An index of job satisfaction. *Journal of Applied Psychology*, 35, 307-311.
- 34. Brewster, C. (2007). European perspective on HRM. European Journal of International Management, 1(3).
- 35. Browning, L., Thompson, K., and Dawson, D. (2017). From early career researcher to research leader: survival of the fittest? *Journal of Higher Education Policy and Management*, 39(4), 361-377. doi: 10.1080/1360080X.2017.1330814
- 36. Brzegowy, A. (2021). Wirtualizacja relacji pracowniczych jako wyzwanie współczesnego środowiska pracy. In A. Walasik, *Gospodarka współdzielenia. Rynki instytucje organizacje* (pp. 32-243). Katowice: Wydawnictwo Uniwersytetu Ekonomicznego w Katowicach.
- 37. Bugdol, M., and Stańczyk, I. (2020). Zielone zarządzanie ludźmi. Warszawa: Wydawnictwo Difin.

- 38. Cain, M. S., Leonard, J. A., Gabrieli, J. D., and Finn, A. S. (2016). Media multitasking in adolescence. *Psychonomic Bulletin & Review*, 23(6), 1932-1941. https://doi.org/10.3758/s13423-016-1036-3
- 39. Caligiuri, P., DeCieri, H., Minbaeva, D., Verbeke, A., and Zimmermann, A. (2020). *International HRM insight for navigating the COVID-19 pandemic: Implications for future research and practice. Journal of International Business Studies*, (51), 697-713.
- 40. Cambridge dictionary. (2021). Cambridge University Press. Retrieved from https://dictionary.cambridge.org/pl/dictionary/english/interest
- 41. Cewińska, J. (2013). HR Manager in the light of the HR Business Partner concept. *Acta Universitatis Lodziensis, Folia Oeconomica*, (283), 79-87.
- Chanana, N. (2021). The impact of COVID-19 pandemic on employees organizational commitment and job satisfaction in reference to gender differences. *Journal of Public Affairs*, 21(4). https://doi.org/10.1002/pa.2695
- 43. Chaudhary, R. (2019). Green human resource management and employee green behavior: An empirical analysis. *Corporate Social Responsibility and Environmental Management*, 27(2).
- 44. Chudzińska, K. (2018). Ewolucja modelu HR Business Partner. *Marketing i Zarządzanie*, 1(51), 9-19. doi: 10.18276/miz.2018.51-01
- 45. Chung, H., and Mau, S. (2014). Subjective insecurity and the role of institutions. *Journal of European Social Policy*, 24(4), 303-318. doi: 10.1177/0958928714538214
- 46. Cierniak-Emerych, A., and Gableta, M. (2022). Gospodarowanie potencjałem pracy zorientowane na interesy pracobiorców. Wrocław: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.
- 47. Ciolan, L., and Ciolan, L. (2011). Training the untrainable. A blended learning approach to university academic staff competence development. *eLearning & Software for Education*, 1-6.
- 48. Clark, D. (2020). Artificial intelligence for learning: How to use AI to support employee development. London: Kogan Page Limited.
- Collings, D. G., McMackin J., Nyberg, A. J., and Wright, P. M. (2021). Strategic human resource management and COVID-19: Emerging challenges and research opportunities. *Journal of Management Studies*. https://doi.org/10.1111/joms.12695
- 50. Collins, H. (2006). Flexibility and stability of expectations in the contract of employment. *Socio-Economic Review*, 4(1), 139-153. doi: 10.1093/SER/mwj036
- 51. Cook, E. M., Wildschut, T., and Sander, T. (2017). Understanding adolescent shame and pride at school: Mind-sets and perceptions of academic competence. *Educational & Child Psychology*, 34(3), 119-129.
- 52. Cooke, F. L., Dickmann, M., and Parry, E. (2022). Building sustainable societies through human-centred human resource management: Emerging issues and research opportunities. *The International Journal of Human Resource Management*, 33(1), 1-15. doi: 10.1080/09585192.2021.2021732
- 53. Creswell, J. W., Hanson, W. E., Clark Plano, V. L., and Morales, A. (2007). Qualitative research designs: Selection and implementation. *The Counseling Psychologist*, 35(2).
- 54. Crowley, E., and Overton, L. (2021). *Learning and skills at work survey 2021*. London: Chartered Institute of Personnel and Development (CIPID). Retrieved February 20, 2022 from https://www.cipd.co.uk/knowledge/strategy/development/learning-skills-work
- 55. Czainska, K. (2019). Diagnosing and developing the e-business competencies of the "Z" generation. Zeszyty Naukowe Uniwersytetu Przyrodniczo-Humanistycznego w Siedlcach, (122), Administracja i Zarządzanie, (49), 5-12.
- 56. Czarniawska, B. (2018). Badacz w terenie, pisarz przy biurku. Jak powstają nauki społeczne. Łódź: Wydawnictwo SIZ.
- 57. Dalkir, K. (2013). Knowledge management in theory and practice. Routledge.
- 58. Davidsen, A. H., and Petersen, M. S. (2021). The impact of covid-19 restrictions on mental well-being and working life among Faroese employees. *International Journal of Environmental Research and Public Health*, (18), 4775. https://doi.org/10.3390/ijerph18094775

- 59. De Cieri, H., Shea, T., Cooper, B., and Oldenburg, B. (2019). Effects of work-related stressors and mindfulness on mental and physical health among Australian nurses and healthcare workers. *Journal of Nursing Scholarship*, 51(5), 580-589.
- Dębska, E. (2012). Chaos pojęciowy wokół szkoleń i treningów. Próba uporządkowania terminologii. Edukacja Dorosłych, (1), 23.
- DelSignore, P. (2021). Education in the metaverse. Retrieved February 21, 2022 from https://medium.com/the-future-of-learning-and-education/education-in-the-metaverse-5a2b579f6cf3
- 62. Dereń, A. M., and Skonieczny, J. (2021). Proactive and reactive actions of the organization during COVID-19 pandemic crisis. *European Research Studies Journal*, XXIV(2), 358-368.
- 63. Dessler, G. (2020). Human resource management. Boston: Pearson Education Limited.
- 64. Di Vaio, A., Palladino, R., Pezzi, A., and Kalisz, D. E. (2021). The role of digital innovation in knowledge management systems: A systematic literature review. *Journal of Business Research*, 123, 220-231.
- Digital Poland i CIONET. (2022). Jak rozwiązać problem luki w umiejętnościach ery cyfrowej. Spostrzeżenia społeczności Digital Shapers i CIONET. Retrieved February 20, 2022 from https://digitalpoland.org/publikacje
- 66. Doctrine of training of the Armed Forces of the Republic of Poland DD/7(A). Ref. 837/2010.
- 67. Dolot, A. (2018). The characteristics of generation Z. E-mentor, 2(74), 44-50.
- 68. Dolot, A. (2020). Wpływ pandemii covid-19 na pracę zdalną perspektywa pracownika. E-mentor, 1(83), 35-43. https://doi.org/10.15219/em83.1456
- 69. Donley, J. (2021). The impact of work environment on job satisfaction: Pre-covid research to inform the future. *Nurse Leader*, 19(6), 585-589. https://doi.org/10.1016/j.mnl.2021.08.009
- Dörner, O., and Rundel, S. (2021). Organizational learning and digital transformation: A theoretical framework. In D. Ifenthaler, S. Hofhues, M. Egloffstein, C. Helbig C. (Eds.), *Digital transformation of learning organizations*. Springer, Cham. https://doi.org/10.1007/978-3-030-55878-9
- Edwards, T., Sánchez-Mangas, R., Jalette, P., Lavelle, J., and Minbaeva, D. (2016). Global standardization or national differentiation of HRM practices in multinational companies? A comparison of multinationals in five countries. *Journal of International Business Studies*, 47(8), 997-1021. http://www.jstor.org/stable/26169981
- 72. Ejdys, J., Lulewicz, A., and Obolewicz, J. (2008). *Zarządzanie bezpieczeństwem w przedsiębiorstwie*. Białystok: Wydawnictwo Politechniki Białostockiej.
- 73. Emmorey, K. D., and Fromkin, V. A. (1988). The mental lexicon. *Linguistics: The Cambridge Survey*, (3), 124-149.
- 74. Employees expectations from employers in modern business. Retrieved January 2, 2021 from https://www.linkedin.com/pulse/employees-expectations-from-employers-modern-business-hafij-ali
- 75. Encyklopedia PWN. (n.d.). Retrieved May 17, 2021 from https://encyklopedia.pwn.pl/haslo/aktywnosc-spoleczna;3867107.html
- 76. Erro-Garces, A., and Ferreira, S. (2019). Do better workplace environmental conditions improve job satisfaction? *Journal of Cleaner Production*, (219). doi: 10.101 6/j.jclepro.2019.02.138
- 77. European Agency for Safety and Health at Work. (2004). *Corporate social responsibility and safety and health at work*. Retrieved April 2, 2021 from https://osha.europa.eu/en/publications/reports/210/
- 78. European Commission. Directorate for Research & Innovation. (2011). *Towards a European framework for researcher careers*. Retrieved from https://cdn5.euraxess.org/sites/default/files/policy_library/towards_a_european_framework_for_research_careers_final.pdf
- 79. Evans, L. (1997). Understanding teacher morale and job satisfaction. *Teaching and Teacher Education*, *13*(8), 831-845.
- 80. Fan, W., and Moen, P. (2021, October). Working more, less or the same during covid-19? A mixed method, intersectional analysis of remote workers. *Work and Occupations*, 1-44.

- 81. Farndale, E., and Paauwe, J. (2018). SHRM and context: Why firms want to be as different as legitimately possible. *Journal of Organizational Effectiveness: People and Performance*, 5(3), 202-210. https://doi.org/10.1108/joepp-04-2018-0021
- 82. Farndale, E., Pai, A., Sparrow, P., and Scullion, H. (2014). Balancing individual and organizational needs in global talent management: A mutual-benefits perspective. *Journal of World Business*, 49(2), 204-214.
- 83. Farndale, E., and Sanders, K. (2017). Conceptualizing HRM system strength through a cross-cultural lens. *The International Journal of Human Resource Management*, 28(1),132-148.
- 84. Fayard, A. L., Weeks, J., and Khan, M. (2021, March-April). Designing the hybrid office. *Harvard Business Review*, 202, 1-11.
- 85. Feitosa, J., and Salas, E. (2020). Today's virtual teams: Adapting lessons learned to the pandemic context. *Organizational Dynamics*. https://doi.org/10.1016/j.orgdyn.2020.100777
- 86. Fenton-O'Creevy, M., Gooderham, P., and Nordhaug, O. (2008). Human resource management in US subsidiaries in Europe and Australia: Centralisation or autonomy? *Journal of International Business Studies*, 39(1), 151-166. http://www.jstor.org/stable/25483251
- 87. Fernandes, C., Griffith, D. A., and Lages, L. F. (2014). The performance effects of vertical and horizontal subsidiary knowledge outflows in multinational corporations. International Business Review, 23(5), 993-1007. https://doi.org/10.1016/j.ibusrev.2014.03.002
- 88. Ferreira, J., Mueller, J., and Papa, A. (2018). Strategic knowledge management: Theory, practice and future challenges. *Journal of Knowledge Management*, 24(2), 121-126.
- Ferri, F., Grifoni, P., and Guzzo, T. (2020). Online learning and emergency remote teaching: Opportunities and challenges in emergency situations. *Societies*, 10(4). https://doi.org/10.3390/soc10040086
- 90. Field, A. (2013). Discovering statistics using IBM SPSS statistics. SAGE Publications.
- 91. Filipowicz, G. (2019). Zarządzanie kompetencjami perspektywa firmowa i osobista. Warszawa: Wolters Kluwer.
- 92. Forbes. (2020). 97% of executives say covid-19 sped up digital transformation. Retrieved February 1, 2022 from https://www.forbes.com/sites/johnkoetsier/2020/09/10/97-of-executives-say-covid-19-sped-up-digital-transformation/?sh=4217801d4799
- 93. Forsten-Astikainen, R., Tuominen, T., and Heilmann, P. (2017). Expanding awareness of employees' competences: The holistic perspective as a management tool. *Nordic Journal of Business*, 66(2), 92-106.
- 94. Forsten-Astikainen, R., and Heilmann, P. (2018). Creating a competence profile of a new profession: Social service agents in welfare centers. *Employee Relations*, 40(2), 362-380. https://doi.org/10.1108/ER-01-2017-0009
- 95. Fosway. (2020). *The power of virtual classrooms in a post-pandemic world*. Retrieved January 12, 2022 from https://www.fosway.com/research/next-gen-learning/virtual-classroom/
- Fosway. (2021). Digital learning realities. Corporate learning in a post-pandemic world. Retrieved January 12, 2022 from https://www.fosway.com/research/next-gen-learning/digital-learning-realities-2021/
- 97. Friday, S., and Friday, E. (2003). Racioethnic perceptions of job characteristics and job satisfaction. *Journal of Management Development*, 22(5), 426-442. https://doi.org/10.1108/0262171031047-4778
- 98. Fute, A., Oubibi, M., Sun, B., Zhou, Y., and Xiao, W. (2022). Work values predict job satisfaction among Chinese teachers during covid-19: The mediation role of work engagement. *Sustainability*, 14(3). https://doi.org/10.3390/su14031353
- 99. Fute, A., Oubibi, M., Xiao, W., Sun, B., and Zhou, Y. (2022). Perceived organizational support and career satisfaction among Chinese teachers: The mediation effects of job crafting and work engagement during covid-19. *Sustainability*, 14(2). https://doi.org/10.3390/su14020623

- 100. Gableta, M. (Ed.). (2012). *Interesy pracowników oraz warunki ich respektowania w przedsiębior*stwie. Wrocław: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.
- 101. Gambin, M., Sękowski, M., Woźniak-Prus, M., Wnuk, A., Oleksy, T., Cudo, A., Hansen, ... Maison, D. (2021). Generalized anxiety and depressive symptoms in various age groups during the covid-19 lockdown in Poland. Specific predictors and differences in symptoms severity. Comprehensive Psychiatry, (105).
- 102. Garavan, T., McCarthy, A., Lai, Y., Murphy, K., Sheehan, M., and Carbery, R. (2021). Training and organisational performance: A meta-analysis of temporal, institutional and organisational context moderators. *Human Resource Management Journal*, 31, 93-119. https://doi.org/10.1111/1748-8583.12284
- 103. Gavin, M., Poorhosseinzadeh, M., and Arrowsmith, J. (2022). The transformation of work and employment relations: COVID-19 and beyond. *Labour and Industry*, 32(1), 1-9. doi:10.1080/103 01763.2022.2038353
- 104. Gembalska-Kwiecień, A. (2017). Czynnik ludzki w zarządzaniu bezpieczeństwem pracy w przedsiębiorstwie. Wybrane zagadnienia. Gliwice: Politechnika Śląska.
- 105. George, T. J., Atwater, L. E., Maneethai, D., and Madera, J. M. (2021). Supporting the productivity and wellbeing of remote workers. *Organizational Dynamics*. https://doi.org/10.1016/j.org-dyn.2021.100869
- 106. Gigi, G. S., and Pavithra, J. R. (2020). Employees' mental wellbeing, organizational outcome and innovative practices during covid-19. *Journal of Contemporary Issues in Business & Government*, 26(2), 531-532.
- 107. Glinka, B., and Czakon, W. (2021). Podstawy badań jakościowych. Warszawa: PWE.
- 108. Gołembski, M. (2013). HR Business partner as a contemporary solution in the field of human resources management. *Scientific Notebooks of the Lodz University of Technology. Organization and Management*, 51(1146), 105-106.
- 109. Green, F. (2009). Subjective employment insecurity around the world. *Cambridge Journal of Regions, Economy and Society*, 2(3), 343-363. doi: 10.1093/cjres/rsp003
- Gross, U. (2003). Zachowania organizacyjne w teorii i praktyce zarządzania. Warszawa: Wydawnictwo Naukowe PWN.
- Gruszecki, T. (2002). Współczesne teorie przedsiębiorstwa. Warszawa: Wydawnictwo Naukowe PWN.
- 112. Guest, D. E., Michie, J., Conway, N., and Sheehan, M. (2003). Human resource management and corporate performance in the UK. *British Journal of Industrial Relations*, 41, 291-314. https://doi.org/10.1111/1467-8543.00273
- 113. Hai-dong, Z., and Yu-jun, S. (2006). Relationship between employees' interests and business performance in state-owned enterprises: Evidence from Shenzhen, China (2006 International Conference on Management Science and Engineering, pp. 1307-1311). Lille.
- 114. Halilem, N. (2010). Inside the triple helix: An integrative conceptual framework of the academic researcher's activities, a systematic review. *Journal of Research Administration*, 41(3), 23-50.
- 115. Hamouche, S. (2021). Human resource management and the COVID-19 crisis: implications, challenges, opportunities, and future organizational directions. *Journal of Mangement & Organization*, 1-16. doi: 10.1017/jmo.2021.15
- 116. Hansen, A. (1998). Bezpieczeństwo i higiena pracy. Warszawa: WSiP.
- 117. Harackiewicz, J. M., and Hulleman, C. S. (2010). The importance of interest: The role of achievement goals and task values in promoting the development of interest. *Social and Personality Psychology Compass*, 4(1), 42-52. doi: 10.1111/j.1751-9004.2009.00207.x
- Haromszeki, Ł. (2020). Liderzy lokalni jako przywódcy organizacyjni w społeczeństwie obywatelskim. Monografie i Opracowania.

- 119. Hauziński, A. (2018). *Informatyzacja w środowisku pracy jako źródło kryzysu relacji pracowniczych* (III Zjazd Polskiego Stowarzyszenia Psychologii Organizacji. Konferencja Ogólnopolska, KUL, 24-25 May 2018). Retrieved from https://www.researchgate.net/publication/329179418_Informatyzacja w srodowisku pracy jako zrodło kryzysu relacji pracowniczych
- 120. Hawi, R. O., Alkhodary, D., and Hashem, T. (2015). Managerial competencies and organizations performance. *International Journal of Management Sciences*, 5(11), 723-735.
- 121. Heibutzki, R. (2013). *The importance of obtaining job security*. Retrieved from http://work.chron.com/importance-obtaining-job-security-21845.html
- 122. Hensel, R., Meijers, F., van der Leeden, R., and Kessels, J. (2010). 360 degree feedback: How many raters are needed for reliable ratings on the capacity to develop competences, with personal qualities as developmental goals? *International Journal of Human Resource Management*, 21(15), 2813-2830. doi: 10.1111/apps.12290 09.03.2022
- 123. Hidi, S., and Renninger, K. A. (2006). The four-phase model of interest development. *Educational Psychologist*, 41(2), 111-127. doi: 10.1207/s15326985ep4102 4
- 124. Hirschfeld, R. R. (2000). Does revising the intrinsic and extrinsic subscales of the Minnesota satisfaction questionnaire short form make a difference? *Educational and Psychological Measurement*, (60), 255-270.
- 125. Hite, L. M., and McDonald, K. S. (2020). Careers after COVID-19: Challenges and changes. *Human Resource Development International*, 23(4), 427-37. doi: 10.1080/13678868.2020.1779576
- 126. Huluba, A. E. (2021). The process of continuous training of military personnel in the 21st century. *Journal of Defense Resources Management*, (2), 189-198.
- 127. Huselid, M. A. (1995). The impact of human resource management practices on turnover productivity and corporate financial performance. *Academy of Management Journal*, 38(3).
- 128. Instruction on training and methodical activity. (n.d.). Ref. 816/2009.
- 129. Jacobs, R., and Washington, Ch. (2003). Employee development and organizational performance: A review of literature and directions for future research. *Human Resource Development International*, 6(3), 343-354. doi: 10.1080/13678860110096211
- 130. Jain, A. (2019). Understanding the future of HRM through the VUCA lens. *NHRD Network Journal*, 12(2), 80-86. https://doi.org/10.1177/2631454119852860
- 131. Jak wykorzystać szanse pracy zdalnej. (2020, April). Goldenline report.
- 132. Jakimiuk, B. (2015). Relacje interpersonalne w miejscu pracy i ich znaczenie dla funkcjonowania zawodowego. In B. Pietrulewicz, M.A. Paszkowicz (Eds.), Wybrane zagadnienia aktywności zawodowej człowieka na rynku pracy (pp. 55-630). Zielona Góra: Wydawnictwo Naukowe Polskiego Towarzystwa Profesjologicznego.
- 133. Jangbahadur, U., and Sharma, V. (2018). Measuring employee development. *Global Business Review*, 19(2), 455-476. https://doi.org/10.1177/0972150917713548
- 134. Jarecki, W., Kunasz, M., Mazur-Wierzbicka, E., and Zwiech, P. (2010). *Gospodarowanie kapitalem ludzkim*. Szczecin: Economicus.
- 135. Jarosik-Michalak, A. (2018). Zarządzanie karierą z perspektywy jednostki i organizacji. *Marketing i Zarządzanie*, 1(51), 123-130.
- 136. Jemielniak, D., and Koźmiński, A. K. (2012). Zarządzanie wiedzą. Wolters Kluwer Polska.
- 137. Jorfi, H., Bin Yacco, H. F., and Shah, I. M. (2012). Role of gender in emotional intelligence: Relationship among emotional intelligence, communication effectiveness and job satisfaction. *The International Journal of Management*, 29(4), 590-597.
- 138. Juchnowicz, M. (2010). Zarządzanie przez zaangażowanie. Koncepcja. Kontrowersje. Aplikacje. Warszawa: PWE.
- Juchnowicz, M. (2014). Satysfakcja zawodowa pracowników. Kreator kapitału ludzkiego. Warszawa: PWE.
- 140. Juchnowicz, M., and Kinowska, H. (2019). Proinnowacyjne kompetencje polskich menadżerów. Studia i Prace Kolegium Zarządzania i Finansów, (161), 41-54. https://doi.org/10.33119/SIP.2018.161.3

- 141. Juchnowicz, M., and Kinowska, H. (2021). Employee well-being and digital work during the covid-19 pandemic. *Information*, (12), 293, doi: 10.3390/info12080293
- 142. Judge, T. A., Bono, J. E., and Locke, E. A. (2000). Personality and job satisfaction: The mediating role of job characteristics. *Journal of Applied Psychology*, (85), 237-249.
- 143. Kafel, T. (2000). Metodologiczne aspekty analizy mikrootoczenia organizacji. Zeszyty Naukowe Akademii Ekonomicznej w Krakowie, (554).
- 144. Kankaraš, M. (2021). Workplace learning: Determinants and consequences: Insights from the 2019 European company survey (Cedefop working paper No 7). Luxembourg: Publications Office of the European Union. http://data.europa.eu/doi/10.2801/111971
- 145. Karadsheh, L., Mansour, E., Alhawari, S., Azar, G., and El-Bathy, N. (2009). A theoretical framework for knowledge management process: Towards improving knowledge performance. *Communications of the IBIMA*, (7), 67-79.
- 146. Katou, A. A., and Budhwar, P. S. (2010). Causal relationship between HRM policies and organisational performance: Evidence from the Greek manufacturing sector. *European Management Journal*, 28.
- 147. Kawka, T. (2010). HR Business Partner a new managerial role of the personnel function. *Scientific Papers of the Wroclaw University of Economics*, (115), 268-276.
- 148. Khan, N. A., Bharadwaj, S., Khatoon, A., and Jamal, M. T. (2021). Assessing the nexus between employer branding and employee retention: Moderating role of organizational identification. *Management and Labour Studies*, 46(4), 379-398. https://doi.org/10.1177/0258042X211005330
- 149. Kim, J. (2020). When organizational performance matters for personnel decisions: Executives' career patterns in a conglomerate. *Management Accounting Research*, 49, https://doi.org/10.1016/j.mar.2020.100695
- 150. Klamut, R. (2013). Aktywność obywatelska jako rodzaj aktywności społecznej perspektywa psychologiczna. *Studia Socjologiczne*, 1(208).
- 151. Kniffin, K. M., Narayanan, J., Anseel, F., Antonakis, J., Ashford, S. P., Bakker, A. B., ... Vugt, M. van. (2021). COVID-19 and the workplace: Implications, issues, and insights for future research and action. *American Psychologist*, 76(1), 63-77. https://doi.org/10.1037/amp0000716
- 152. Kociatkiewicz, J., and Kostera, M. (2014). Zaangażowane badania jakościowe. *Problemy Zarządzania*, 12(1), (45), 9-17.
- 153. Kopertyńska, M. W., and Dernowska, N. (2021). Factors determining the role and tasks of HR business partnering in enterprises. *Human Resource Management/Zarządzanie Zasobami Ludzkimi*, 138-139(1-2), 65-84. DOI: 10.5604/01.3001.0014.8786
- 154. Kotarbiński, T. (2019). Traktat o dobrej robocie. Łódź: Wydawnictwo Uniwersytetu Łódzkiego.
- 155. Kumar, A., and Nayar, K. R. (2021). COVID-19 and its mental health consequences. *Journal of Mental Health*, 30(1), 1-2. https://doi.org/10.1080/09638237.2020.1757052
- 156. Kunasz, M. (2008). Efektywność szkolenia i doskonalenia zawodowego wybrane aspekty. *Studia i Prace Wydziału Nauk Ekonomicznych i Zarządzania Uniwersytetu Szczecińskiego*, (3), 129-141.
- 157. Kunasz, M., and Zwiech, P. (2016). Pomiar efektywności procesów personalnych wyniki badań. In M. Kunasz (Ed.), *BPM vs. HRM* (pp. 39-52). Szczecin: Volumina.
- 158. Kupczyk, T., and Stor, M. (2017). Competency management. Theory, research and business practice. Wrocław: Wyższa Szkoła Handlowa.
- 159. Kupczyk, T., Rupa, P., Gross-Gołacka, E., and Mańkowska, M. (2021). Generation Z's expectations of adaptation to work. Military service. *European Research Studies Journal*, 24(4), 329-343.
- 160. Kyvik, S. (2013). The academic researcher role: Enhancing expectations and improved performance. *Higher Education*, 65(4), 525-538. https://doi.org/10.1007/s10734-012-9561-0
- 161. Łaguna, M. (2019). Nowe tendencje w podejściu do szkoleń w organizacji. In A.M. Zawadzka (Ed.), Psychologia zarządzania w organizacji (p. 116). Warszawa: PWN.
- 162. Landeta Echeberria, A. (2022). AI integration in the digital transformation strategy. In artificial intelligence for business. Cham: Palgrave Macmillan.

- 163. Latif, M. H., Ahmad, M., Qasim, M., Mushtaq, M., Ferdoos, A., and Naeem, H. (2013). Impact of employee's job satisfaction on organizational performance. *European Journal of Business and Management*, 5(5), 166-171.
- 164. Lendzion, J. P., and Stankiewicz-Mróz, A. (2005). Wprowadzenie do organizacji i zarządzania. Kraków: Oficyna Ekonomiczna.
- 165. Leszczyński, M. (2007). Dostęp do rynku pracy w kontekście teorii segmentacyjnych. Acta Scientifica Academiae Ostroviensis, (29).
- 166. Liebowitz, J. (2001). Knowledge management and its link to artificial intelligence. *Expert Systems with Applications*, 20(1), 1-6.
- 167. Liebowitz, J. (Ed.). (1999). Knowledge management handbook. Boca Raton, Florida: CRC Press.
- 168. LinkedIn Learning. (2021). *Workplace learning report*. Retrieved February 8, 2022 from https://learning.linkedin.com/resources/workplace-learning-report
- 169. Lobanova, T. N. (2015). Influence of dominant labor interests on the activity of employees Vliyanie dominiruyushih trudovyh interesov na deyatelnost sotrudnikov organizacii. *Organizacionnaâ* psihologiâ, 5(2), 26-45.
- 170. Locke, E. A. (1976). Nature and causes of job satisfaction. In M.D. Dunette (Ed.), *Handbook of industrial and organizational psychology* (pp. 1297-1343). Chicago: Rand McNally.
- 171. Loscocco, K. A. (1990). Reactions to blue-collar work. Work and Occupations, (17), 152-177.
- 172. Lowe, T. S. (2018). Perceived job and labor market insecurity in the United States: An assessment of workers' attitudes from 2002-2014. *Work and Occupations*, 45(3), 313-345. doi: 10.1177/0730888418758381
- 173. Lutyński, J. (1994). *Metody badań społecznych. Wybrane zagadnienia*. Łódź: Łódzkie Towarzystwo Naukowe.
- 174. Lyons, M., Lavelle, K., and Smith, D. (2017). GEN Z rising. Accenture.
- 175. Maatman, M., and Meijerink, J. (2017). Why sharing is synergy: The role of decentralized control mechanisms and centralized HR capabilities in creating HR shared service value. *Personnel Review*, 46(7), 1297-1317. https://doi.org/10.1108/PR-09-2016-0245
- 176. Madsen, P. K. (2007). Flexicurity: A new perspective on labour markets and welfare states in Europe. *Tilburg Law Review Journal of International and Comparative Law*, 14(1&2), 57-79.
- 177. Magnier-Watanabe, R., Benton, C. F., Uchida, T., and Orsini, P. (2019). Designing jobs to make employees happy? Focus on job satisfaction first. *Social Science Japan Journal*, 22(1). doi: 10.1093/ssjj/jyy040
- 178. Mahmood, F., Ariza-Montes, A., Saleem, M., and Han, H. (2021). Teachers' teleworking job satisfaction during the COVID-19 pandemic in Europe. *Current Psychology*, (1), 1-14. https://doi.org/10.1007/s12144-021-02355-6
- 179. Malmström, M., Wincent, J., and Johansson, J. (2013). Managing competence acquisition and financial performance: An empirical study of how small firms use competence acquisition strategies. *Journal of Engineering and Technology Management*, 30(4), 327-349.
- 180. Marx, P. (2014). The effect of job insecurity and employability on preferences for redistribution in Western Europe. *Journal of European Social Policy*, 24(4), 351-366. doi: 10.1177/0958928714538217
- 181. Marzec, I. (2015). Uwarunkowania rozwoju zatrudnialności pracowników w organizacji. Katowice: Wydawnictwo Uniwersytetu Ekonomicznego w Katowicach.
- 182. Masri, H. A., and Jaaron, A. A. (2017). Assessing green human resources management practices in Palestinian manufacturing context: An empirical study. *Journal of Cleaner Production*, (143).
- 183. Matuska, E., and Niedzielski, P. (2018). HR business partner the range of roles and services. *European Journal of Service Management*, 4(28/1), 191-197. doi: 10.18276/ejsm.2018.28/1-24
- 184. May, K. E., and Elder, A. D. (2018). Efficient, helpful, or distracting? A literature review of media multitasking in relation to academic performance. *International Journal of Educational Technology in Higher Education*, 15(13). https://doi.org/10.1186/s41239-018-0096-z

- 185. Maznevski, M. L., and Chudoba, K. (2000). Bridging space over time: Global virtual team dynamics and effectiveness. *Organization Science*, 11, 473-492.
- 186. McGuire, D., Germain, M.-L., and Reynolds, K. (2021). Reshaping HRD in light of the covid-19 pandemic: An ethics of care approach. *Advances in Developing Human Resources*, 23(1), 26-40. doi: 10.1177/1523422320973426
- 187. Meissner, D., and Shmatko, N. (2019). Integrating professional and academic knowledge: The link between researchers skills and innovation culture. *The Journal of Technology Transfer*, 44(4), 1273-1289.
- 188. Mendryk, I. (2016). Uwarunkowania doskonalenia kompetencji pracowników 50+. Wyniki badań. Zeszyty *Naukowe Politechniki Śląskiej. Seria: Organizacja i Zarządzanie*, (97), 213-233.
- 189. Messervey, D. L., Peach, J. M., Dean, W. H., and Nelson, E. A. (2022). Training for heat-of-the-moment thinking: Ethics training to prepare for operations. *Armed Forces & Society*. https://doi.org/10.1177/0095327X221088325
- 190. Microsoft. (2020). AI & skills. Retrieved December 10, 2021 from https://news.microsoft.com/pl-pl/2020/06/30/badanie-microsoft-ai-motywuje-firmy-do-podnoszenia-umiejetnosci-pracownikow/
- 191. Mihalache, M., and Mihalache, O. R. (2022). How workplace support for the covid-19 pandemic and personality traits affect changes in employees' affective commitment to the organization and job-related well-being. *Human Resource Management*, 61(3), 295-314. https://doi.org/10.1002/hrm.22082
- 192. Mikołajczyk, K. (2021). Changes in the approach to employee development in organizations as a result of the COVID-19 pandemic. *European Journal of Training and Development*. https://doi.org/10.1108/EJTD-12-2020-0171
- 193. Miller, P. (2018). Kompetencje przyszłości i zarządzanie nimi wyzwanie dla biznesu i całożyciowego poradnictwa karier. In E. Stokowska-Zagdan, J. Flanz (Eds.), *Kształcenie ustawiczne. Wymiar interdyscyplinarny*. Skierniewice: Państwowa Wyższa Szkoła Zawodowa.
- 194. Minbaeva, D. B. (2005). HRM practices and MNC knowledge transfer. Personnel Review, 34(1), 125-144. https://doi.org/10.1108/00483480510571914
- 195. Minbaeva, D., Pedersen, T., Björkman, I., and Fey, C. F. (2014). A retrospective on: MNC knowledge transfer, subsidiary absorptive capacity, and HRM. *Journal of International Business Studies*, (45), 52-62. https://doi.org/10.1057/jibs.2013.56
- 196. Młokosiewicz, M. (2017). Zaangażowanie pracowników perspektywa indywidualna i organizacyjna. Zeszyty Naukowe Wyższej Szkoły Bankowej w Poznaniu, 74(3).
- 197. Moglia, M., Hopkins, J., and Bardoel, A. (2021). Telework, hybrid work and the United Nation's sustainable development goals: Towards policy coherence. *Sustainability*, *13*(16), 9222. doi: 10.3390/su13169222
- 198. Molek-Winiarska, D. (2020). *Interwencje antystresowe w organizacji. Modele. Zarządzanie. Efektywność.* Wrocław: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.
- 199. Moon, J. S., and Choi, S. B. (2017). The Impact of career management on organizational commitment and the mediating role of subjective career success: The case of Korean R&D employees. *Journal of Career Development*, 44(3), 191-208. https://doi.org/10.1177/0894845316643829
- 200. Morley, M. J., Heraty, N., and Michailova, S. (Eds.). (2009). *Human resources management in Eastern and Central Europe*. London, New York: Routledge.
- 201. Mróz-Jagiełło, A., and Wolanin, A. (2013). Metoda analizy i krytyki dokumentów w naukach o bezpieczeństwie. *Obronność. Zeszyty Naukowe Wydziału Zarządzania i Dowodzenia Akademii Obrony Narodowej*, 2(6), 113-117.
- 202. Muffels, R., Crouch, C., and Wilthagen, T. (2014). Flexibility and security: National social models in transitional labour markets. *Transfer: European Review of Labour and Research*, 20(1), 99-114. doi: 10.1177/1024258913514361

- 203. Muisyo, P., and Qin, S. (2018). Enhancing the FIRM'S green performance through green HRM: The moderating role of green innovation culture. *Journal of Cleaner Production*, 289(2).
- 204. Myjak, T. (2018). Formy zatrudnienia a postawy wobec pracy na przykładzie badanych przedsiębiorstw budowlanych, *Bezpieczeństwo Pracy. Nauka i Praktyka*, (10).
- 205. Myjak, T. (2019). Kompetencje jednostki w kontekście bezpieczeństwa zatrudnienia. Zeszyty Naukowe Wyższej Szkoły Zarzadzania Ochrona Pracy w Katowicach. (1), 79-88.
- 206. Ngadiman, A. E., and Ratmawati, D. (2013). Influence of transformational leadership and organization climate to the work satisfaction. *Organizational Commitment and Organizational Citizenship Behavior on the Educational Personnel of Educational Research International*, 1(1), 41-66.
- 207. Nicoară, M. A. (2011). *The educational management in the military training*. Bucharest: National Defense University Carol I.
- 208. Nieć, D. (2020). Badanie zadowolenia pracowników jako element substrategii zarządzania organizacjami. In M. Ćwiklicki, A. Frączkiewicz-Wronka, A. Pacut, K. Sienkiewicz-Małyjurek (Eds.), Współczesne problemy zarządzania publicznego i przedsiębiorczości społeczne. Kraków: Małopolska Szkoła Administracji Publicznej Uniwersytetu Ekonomicznego w Krakowie.
- 209. Numminen, O., Virtanen, H., Hafsteinsdóttir, T., and Leino-Kilpi, H. (2020). Postdoctoral nursing researcher career: A scoping review of required competences. *Nursing Open*, 7(1), 7-29. doi: http://dx.doi.org/10.1002/nop2.367
- 210. Oberländer, M., and Bipp, T. (2022). Do digital competencies and social support boost work engagement during the COVID-19 pandemic? *Computers in Human Behavior, 130*(107172), 1-9. https://doi.org/10.1016/j.chb.2021.107172
- 211. Obłój, K., and Wąsowska A. (2015). Zarządzanie międzynarodowe: teoria i praktyka. Warszawa: PWE.
- 212. Obrad, C., and Circa, C. (2021). Determinants of work engagement among teachers in the context of teleworking. *Amfiteatru Economic*, 23(58), 718-735. https://doi.org/10.24818/EA/2021/58/718
- 213. Ogrodnik, R., and Mieszaniec, J. (2010). Metoda analizy interesariuszy jako innowacyjna koncepcja w zarządzaniu przedsiębiorstwem górniczym. In R. Knosala (Ed.), *Komputerowo zintegrowane zarządzanie*. Opole: Oficyna Wydawnicza Polskiego Towarzystwa Zarządzania Produkcja.
- 214. Okpara, J. O. (2004). Personal characteristics as predictors of job satisfaction: An exploratory study of IT managers in a developing economy. *Information Technology & People*, 17(3), 327-338. https://doi.org/10.1108/09593840410554247
- 215. Oleszak, W. K., and Oleszak, M. W. (2016). Edukacja dorosłych jako siła twórcza kultury bezpiecznej pracy. *Problemy Nauk Stosowanych*, (4), 210.
- Olkowicz, J. (2013). Spółdzielcza kasa oszczędnościowo-kredytowa jako organizacja ucząca się na przykładzie Kasy Stefczyka – cechy i rozwiązania. Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu, (310), 411-420.
- 217. Omodan, B. I. (2020). The vindication of decoloniality and the reality of COVID-19 as an emergency of unknown in rural universities. *International Journal of Sociology of Education (Special Issue)*. https://doi.org/10.17583/RISE.2020.5495
- 218. Oorschot, W. van, and Chung, H. (2015). Feeling of dual-insecurity among European workers: A multi-level analysis. *European Journal of Industrial Relations*, 33(1), 23-37. doi: 10.1177/0959680114523199
- 219. Opatha, H., and Aruljarah A. (2014). Green human resource management: Simplified general reflections. *International Business Research*, 7(8).
- 220. Organ, D. W., Podsakoff, P. M., and Mackenzie, S. B. (2006). *Organisational citizenship behaviour. Its nature, determinants, and consequences.* Thousand Oaks: Sage Publications.
- 221. Osuszek, L., and Stanek, S. (2021). AI for augmenting human judgement in Business Processes Management. Scientific Journal of the Military University of Land Forces, 53, (3(201)), 507-518.

- 222. Osuszek, L., Stanek, S., and Twardowski, Z. (2016). Leverage big data analytics for dynamic informed decisions with advanced case management. *Journal of Decision Systems*, 25 (sup1), 436-449.
- 223. Paliwoda-Matiolańska, A. (2014). Odpowiedzialność społeczna w procesie zarządzania przedsiębiorstwem. Warszawa: Wydawnictwo C.H. Beck.
- 224. Palmer, K. (2022). *Invest Wisely: Help your people learn how to learn*. Retrieved February 20, 2022 from https://blog.degreed.com/help-your-people-learn-how-to-learn/
- 225. Papavasileiou, E., Lyons, S., Shaw, G., and Georgiou, A. (2017). Work values in tourism: Past, present and future. *Annals of Tourism Research*, 64, 150-162. https://doi.org/10.1016/J. ANNALS.2017.03.007
- 226. PARP. (2021a). *Bilans kapitalu ludzkiego*. Retrieved January 26, 2022 from https://www.parp.gov.pl/component/publications/publication/raport-podsumowujacy-wyniki-badan-bilans-kapitalu-ludzkiego-2019-2020
- 227. PARP. (2021b). Polska 2021 raport o stanie sektora małych i średnich przedsiębiorstw w Polsce 2021. Warszawa. Retrieved from https://www.parp.gov.pl/storage/publications/pdf/PARP-26_Raport-2021-07-22 WCAG 210726.pdf
- 228. Parvin, M. M., and Kabir, M. M. N. (2011). Analysis of factors affecting employee job satisfaction. Australian Journal of Business and Management Research, 1(9), 113-123. https://doi.org/10.20472/iac.2018.038.004
- 229. Pass, S., and Ridgway, M. (2022). An informed discussion on the impact of covid-19 and 'enforced' remote working on employee engagement. *Human Resource Development International*, 25(2), 254-270. doi: 10.1080/13678868.2022.2048605
- 230. Pauli, U. (2010). Badanie satysfakcji pracowników jako źródło informacji menedżerskiej. Zeszyty Naukowe Uniwersytetu Ekonomicznego w Krakowie, (828).
- 231. Pawłowska, A. (2017). Zatrudnialność pracobiorcy w elastycznym zarządzaniu ludźmi. Warszawa: PWE.
- 232. Peccei, R., and Lee, H. -J. (2005). The impact of gender similarity on employee satisfaction at work: A review and re-evaluation. *Journal of Management Studies*, 42(8), 1571-1592. https://doi.org/https://doi.org/10.1111/j.1467-6486.2005.00557.x
- 233. Penc-Pietrzak, I. (2011). Tworzenie kluczowych kompetencji organizacji. Zeszyty Naukowe Wyższej Szkoły Bankowej w Poznaniu, (34).
- 234. Pham, N. T., Tuckova, Z., and Chiappetta Jabbour, C. J. (2019). Greening the hospitality industry: How do green human resource management practices influence organizational citizenship behavior in hotels? A mixed-methods study. *Tourism Management*, (72).
- 235. Pham, N. T., Tuckova, Z., and Phan, Q. P. T. (2019). Greening human resource management and employee commitment towards the environment: An interaction model. *Journal of Business Economics and Management*, 3(20).
- 236. Pham, N. T., Vo Thanh, T., Tuckova, Z., and Thuy, V. T. N. (2019). The role of green human resource management in driving hotel's environmental performance: Interaction and mediation analysis. *International Journal of Hospitality Management*. doi: 10.1016/j.ijhm.2019.102392
- 237. Phuc, N. H., and Matsuura, Y. (2016). Modeling and analyzing academic researcher behavior. *The Asian Journal of Technology Management*, 9(2), 80-87. doi: http://dx.doi.org/10.12695/ajtm.2016.9.2.2
- 238. Pichler, M., Krenmayr, N., Schneider, E., and Brand, U. (2021). EU industrial policy: Between modernization and transformation of the automotive industry. *Environmental Innovation and Societal Transitions*, 38(1).
- 239. Pietruszka-Ortyl, A. (2019). Transfer wiedzy w warunkach nierówności na współczesnym rynku pracy. *Bezpieczeństwo Pracy*, 2(22).

- 240. Piwowar-Sulej, K. (2017). The concept of HR business partner in a project-oriented organization. The Central European Review of Economics and Management (CEREM), 2544-0365. WSB University in Wrocław, 1(2), 77-90. doi: 10.29015/cerem.317
- 241. Piwowar-Sulej, K. (2020). Human resource management in the context of Industry 4.0. *Organizacja i Zarządzanie: Kwartalnik Naukowy*, (1), 103-113.
- 242. Piwowar-Sulej, K. (2021). The practice of green HRM in Poland with the focus on elements of the HR function. *Oeconomia*, 3(55).
- 243. Plewka, C. (2016). Wspomaganie rozwoju zawodowego pracowników współczesnego rynku pracy. Szkoła. Zawód. Praca, (12), 25-41.
- 244. Pocztowski, A. (2016). Zrównoważone zarządzanie zasobami ludzkimi w teorii i praktyce. *Zarządzanie i Finanse*, *14*(2, Part 1).
- 245. Pocztowski, A. (2019). HRM context in practice and scientific research. *Zarządzanie Zasobami Ludzkimi, 6*(131).
- 246. Poncet, M. C., Toullic, P., Papazian, L., Kentish-Barnes, N., Timsit, J.-F., Pochard, F., ... Azoulay, É. (2007). Burnout syndrome in critical care nursing staff. *American Journal of Respiratory and Critical Care Medicine*, 175(7), 698-704. https://doi.org/10.1164/rccm.200606-806OC
- 247. Poór, J., Juhász, T., Machová, R., Bencsik, A., and Bilan, S. (2018). Knowledge management in human resource management: Foreign-owned subsidiaries' practices in four CEE countries. *Journal of International Studies*, 11(3), 295-308. doi:10.14254/2071-8330.2018/11-3/23
- 248. Probst, T. M., and Jiang, L. (2017). European flexicurity policies: Multilevel effects on employee psychosocial reactions to job insecurity. *Safety Science*, 100(A), 83-90. doi: 10.1016/j. ssci.2017.03.010
- 249. PwC. (2020). The effectiveness of virtual reality soft skills training in the enterprise. Retrieved January 11, 2022 from https://www.5discovery.com/wp-content/uploads/2020/09/pwc-understanding-the-effectiveness-of-soft-skills-training-in-the-enterprise-a-study.pdf
- 250. PWC, Well.hr, and Absolvent Consulting. (2021). Młodzi Polacy na rynku pracy 2021. Retrieved 20 October, 2021 from https://www.pwc.pl/pl/publikacje/mlodzi-polacy-na-rynku-pracy-2021. html
- 251. Radziukiewicz, M. (2021). Praca zdalna w Polsce i jej perspektywy. *Economic and Regional Studies*, 14(4), 409-427. https://doi.org/10.2478/ers-2021-0029
- 252. Rae, L. (2004). Planowanie i projektowanie szkoleń. Kraków: Oficyna Ekonomiczna.
- 253. Rahman, U., Shahrazad, W. S. W., Sulaiman, W. S. W., Nasir, R., and Omar, F. (2014). The role of job satisfaction as mediator in the relationship between self-efficacy and organizational citizenship behavior among Indonesian teachers. *International Journal of Business and Social Science*, 5(9), 255-261.
- 254. Rakowska, A. (2022). Różnorodność zasobów ludzkich w organizacji istota, dylematy, wyzwania. Lublin: Wydawnictwo UMCS.
- 255. Rakowska, A., and de Juana-Espinosa, S. (2021). Ready for the future? Employability skills and competencies in the twenty-first century: The view of international experts. *Human Systems Management*, 40(5), 669-684. doi: 10.3233/HSM-201118
- 256. Raut, R. D., Gardas, B., Luthra, S., Narkhede, B., and Mangla, S. K. (2020). Analysing green human resource management indicators of automotive service sector. *International Journal of Manpower*, (41).
- 257. Robbins, S. P. (2005). Essentials of organisational behaviour (8th ed.). Prentice Hall.
- 258. Robbins, S. P., Odendaal, A., and Roodt, G. (2003). *Organisational behaviour* (9th ed.). Prentice Hall International.
- 259. Rosiński, J., Pieczka, A., and Stańczyk, I. (2021). Ewolucja roli HR biznes partnera w czasie pandemii: Case study. *Zarządzanie Zasobami Ludzkimi*, 21(5 (142)).
- 260. Roth, G., and Kurtyka, M. (2017). Zarządzanie zmianą. Od strategii do działania. Warszawa: CeDeWu.

- 261. Różańska-Bińczyk, I., Matejun, M., and Matusiak, B. E. (2020). Praktyki green HR we współczesnych przedsiębiorstwach. In J. Cewińska, A. Krejner-Nowecka, S. Winch S. (Eds.), *Zarządzanie kapitalem ludzkim wyzwania*. Warszawa: SGH Oficyna Wydawnicza.
- 262. Saffron Interactive. (2021). Can AI coaching be the solution to scalable workforce skills development? Retrieved February 20, 2022 from https://saffroninteractive.com/ai-and-scalable-skills-development/
- 263. Salas, E., Tannenbaum, S. I., Kraiger, K., and Smith-Jentsch, K. A. (2012). The science of training and development in organizations: What matters in practice. *Psychological Science in the Public Interest*, *13*(2), 74-101. http://www.jstor.org/stable/23484697
- 264. Salladarré, F., Hlaimi, B., and Wolff, F. -Ch. (2011). How important is security in the choice of employment? Evidence from European countries. *Economic and Industrial Democracy*, 32(4), 549-567. doi: 10.1177/0143831X10387649
- 265. Salman, M., Ganie, S. A., and Saleem, I. (2020). Employee competencies as predictors of organizational performance: A study of public and private sector banks. *Management and Labour Studies*, 45(4), 416-432.
- 266. Sardana, A. (2018). Turning green into gold through practices of green HRM. *The Journal of Management Awareness*, 21(2).
- 267. Savanevičienė, A., Stukaitė, D., and Šilingienė, V. (2008). Development of strategic individual competences. *Engineering Economics*, 3(58), 81-88.
- 268. Schmidt, S. J. (2020). Distracted learning: Big problem and golden opportunity. *Journal of Food Science Education*, (19), 278-291. https://doi.org/10.1111/1541-4329.12206
- 269. Schroeder-Strong, M. P., Schreiber, B., and Bennett, W. (2022). A methodology for projecting the return on investment of training technologies. *Military Psychology*. doi: 10.1080/08995605.2022.2050164
- 270. Schultza, C. (2021). Essential future developmental areas for human resource managers post--COVID-19. In *Re-Imaging Management Research* (Conference Proceedings of the 32nd Annual Conference of the Southern Africa Institute for Management Scientists, North-West University).
- 271. Sęczkowska, K. (2019). Konsekwencje psychospołeczne pracy zdalnej. *Problemy Nauk Humanistycznych i Społecznych. Teoria i Praktyka*, (2), 10-16.
- 272. Sęk, H., and Cieślak, R. (2004). Wsparcie społeczne sposoby definiowania, rodzaje i źródła wsparcia. Wybrane koncepcje teoretyczne. In H. Sęk, R. Cieślak (Eds.), Wsparcie społeczne, stres i zdrowie. Warszawa: Wydawnictwo Naukowe PWN.
- 273. Selmer, J., Ebrahimi, and B. P. Mingtao, L. (2002). Career management of business expatriates from China. *International Business Review*, 11(1), 17-33. https://doi.org/10.1016/S0969-5931(01)00045-2
- 274. Sew, H. T., Yahya, S., and Tan, C. L. (2019). Importance-performance matrix analysis of the Researcher's competence in the formation of university-industry collaboration using smart PLS. *Public Organization Review*, 20(2), 249-275. doi: http://dx.doi.org/10.1007/s11115-018-00435-z
- 275. Shahzad, A., Hassan, R., Aremu, A. Y., Hussain, A., and Lodhi, R. N. (2021). Effects of covid-19 in E-learning on higher education institution students: The group comparison between male and female. *Quality & Quantity*, 55(3), 805-826. https://doi.org/10.1007/s11135-020-01028-z
- 276. Sharma, R. R. (Ed.). (2019). *Human resource management for organizational sustainability*. New York: Business Expert Press.
- 277. Sheikh, M. K., Chaudahry, N., and Ghogare, A. (2020). Depression in teachers due to cyberbullying who are working in covid-19 pandemic: A cross-sectional study. *International Journal of Current Research and Review*, 12(20), 98-102. https://doi.org/10.31782/IJCRR.2020.122015
- 278. Shen, J., Dumont, J., and Deng, X. (2018). Employees' perception of green HRM and non-green employee work outcomes: The social identity and stakeholders perspectives. *Group & Organization Management*, 43(4).

- 279. Słowik, M. (2008). Rozumienie i wartościowanie aktywności społecznej młodzieży wnioski dla pracy socjalnej. *Pedagogia Christiana*, 1(21).
- 280. Sousa-Poza, A., and Sousa-Poza, A. A. (2007). The effect of job satisfaction on labor turnover by gender: An analysis for Switzerland. *The Journal of Socio-Economics*, *36*(6), 895-913. https://doi.org/10.1016/j.socec.2007.01.022
- 281. Sowińska, A. (2014). Zadowolenie z pracy problemy definicyjne. Studia Ekonomiczne, (197).
- 282. Spector, P. E. (1997). Job satisfaction: Application, assessment, causes, and consequences. CA: Sage.
- 283. Staszkiewicz, M. (2021). Kompetencje osobiste i społeczne HR business partnera. *Zarządzanie Zasobami Ludzkimi*, 142(5), 43-62. doi: 10.5604/01.3001.0015.5052.
- 284. Steel, P., Schmidt, J., Bosco, F., and Uggerslev, K. (2019). The effects of personality on job satisfaction and life satisfaction: A meta-analytic investigation accounting for bandwidth–fidelity and commensurability. *Human Relations*, 72(2), 217-247.
- 285. Stor, M. (2016). Paradoksalne i nieparadoksalne oksymoronizmy w strategiach zarządzania kompetencjami pracowniczymi refleksje badawcze. Nauki o Zarządzaniu, 2(27), 164-185, doi: 10.15611/noz.2016.2.14
- 286. Stor, M. (2021). The configurations of HRM bundles in MNCs by their contributions to subsidiaries' performance and cultural dimensions. *International Journal of Cross Cultural Management*, 21(1), 124-166. http://doi.org/10.1177/1470595821997488
- 287. Stor, M., and Haromszeki, Ł. (2020). The role of human factor and HRM practices in MNCs' performance in Eastern and Western Europe a comparative analysis of the research findings. In J. Stankeviciene et al. (Eds.), *Business and management '2020. Selected papers* (pp. 343-357). Vilnus: Vilnius Gediminas Technical University. doi: 10.3846/bm.2020.540
- 288. Stor, M., and Haromszeki, Ł. (2021). Competency management and the financial results of the foreign subsidiaries of Polish MNCs: The empirical research findings. *Human Systems Management*, 1-13. http://doi.org/10.3233/HSM-211515
- 289. Stor, M., and Kupczyk, T. (2015). Differences in competency management comparative analysis between Polish, Spanish, and Austrian business practices. *Journal of Intercultural Management*, 7(2).
- 290. Stor, M., and Domaradzka, A. (Eds.). (2020). Zarządzanie kapitałem ludzkim 4.0 wyzwania organizacyjne i kompetencyjne w perspektywie menedżerskiej. Wrocław: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.
- 291. Stosik, A., Głowicki, P., and Zarecka, E. (2011). HR Business Partner nowa rola w zarządzaniu zasobami ludzkimi. *Prace Naukowe Uniwersytetu Ekonomicznego we Wrocławiu*, (218), 242-248.
- 292. Strack, R., Kovacs-Ondrejkovic, O., Baier, J., Antebi, P., Kavanagh, K., and Lopez-Gobernado, A. (2021). *Decoding global ways of working*. Retrieved from https://www.bcg.com/publications/2021/advantages-of-remote-work-flexibility
- 293. Stredwick, J. (2005). Zarządzanie pracownikami w malej firmie. Gliwice: Helion.
- 294. Strivr. (2020). *The ultimate guide to immersive learning*. Retrieved February 12, 2022 from https://www.strivr.com/resources/ebooks/immersive-learning/
- 295. Strumińska-Kutra, M., and Koładkiewicz, I. (2012). Studium przypadku. In D. Jemielniak (Ed.), *Badania jakościowe. Metody i narzędzia* (tom 2). Warszawa: Wydawnictwo Naukowe PWN.
- 296. Stuart, H. (2002). Employee identification with the corporate identity issues and implication. *International Studies of Management & Organization*, 32(3), 28-44.
- Studenski, R. (1996). Organizacja bezpiecznej pracy w przedsiębiorstwie. Gliwice: Wydawnictwo Politechniki Ślaskiej.
- 298. Succar, T., Beaver, H. A., and Lee, A. G. (2022). Impact of COVID-19 pandemic on ophthalmology medical student teaching: Educational innovations, challenges, and future directions. *Survey of Ophthalmology*, 67(1), 217-225. https://doi.org/https://doi.org/10.1016/j.survophthal.2021.03.011

- 299. Suganya, S., and Sankareshwari, B. (2020). Job satisfaction level on online teaching among higher secondary school teachers during COVID-19 pandemic. *Shanlax International Journal of Education*, 9(1), 138-145. https://doi.org/10.34293/education.v9i1.3530
- 300. Suharti, L., and Sugiarto, A. (2020). A qualitative study of Green HRM practices and their benefits in the organization: An Indonesian company experience. *Business: Theory and Practice*, (21).
- 301. Sukmana, O., Salahudin, Robbie, I., Roziqin, A., Deniar, S. M., Sihidi, I. T., and Suhermanto, D. F. (Eds.). (2022). Social and political issues on sustainable development in the post COVID-19 crisis (Proceedings of the International Conference on Social and Political Issues on Sustainable Development in the Post COVID-19 Crisis (ICHSOS 2021), Malang, Indonesia, 18-19 June 2021, 1st ed.). Routledge. https://doi.org/10.1201/9781003263586
- 302. Sus, A., and Sylwestrzak, B. (2021). Evolution of the labor market and competency requirements in Industry 4.0 versus the covid-19 pandemic. *European Research Studies Journal, XXIV*(1), 494-506.
- 303. Sypniewska, B. A. (2014). Evaluation of factors influencing job satisfaction. *Contemporary Economics*, 8(1), 57-72. https://doi.org/10.5709/ce.1897-9254.131
- 304. Taft, M. (2013). Reading and the mental lexicon. Psychology Press.
- 305. Tang, G., Chen, Y., Jiang, Y., Paill_e, P., and Jia, J. (2017). Green human resource management practices: Scale development and validity. *Asia Pacific Journal of Human Resources*, (555).
- 306. The Josh Bersin Company. (2022). *Learning technologies and platforms: 2022 and beyond*. Retrieved February 21, 2022 from https://joshbersin.com/2022/02/demystifying-the-learning-technology-market/
- 307. The L&D disruption playbook with David James. (2019). Retrieved January 15, 2022 from https://elearningindustry.com/free-ebooks/digital-learning-and-development-strategy-playbook
- 308. The voice of the European workforce 2020. Niech moc pracowników będzie z Wami. (2021). Retrieved January, 2021 from https://www2.deloitte.com/pl/pl/pages/human-capital/articles/raport-The-voice-of-the-European-workforce-2020.html
- 309. Thomas, M. S. C., and Rogers, C. (2020). Education, the science of learning, and the COVID-19 crisis. *Prospects*, 49, 870-90. https://doi.org/10.1007/s11125-020-09468-z
- 310. Thu, T. P. B., Ngoc, P. N. H., Hai, N. M., and Tuan, L. A. (2020). Effect of the social distancing measures on the spread of COVID-19 in 10 highly infected countries. *Science of The Total Environment*, (742), 140430. https://doi.org/10.1016/J.SCITOTENV.2020.140430
- 311. Timms, P. (2018). Transformational HR. London: Kogan Page.
- 312. Torocsik, M., Szucs K., and Kehl, D. (2014). How generations think: Research on generation Z. *Acta Universitatis Sapientiae, Communicatio*, 1(2014), 23-45.
- 313. Trenerry, B., Chng, S., Wang, Y., Suhaila, Z. S., Lim, S. S., Han Y. L., and Peng, H. O. (2021). Preparing workplaces for digital transformation: An Integrative review and framework of multi-level factors. *Frontiers in Psychology*, 12. https://doi.org/10.3389/fpsyg.2021.620766
- 314. Tsang, E. W. K. (1999). The knowledge transfer and learning aspects of international HRM: An empirical study of Singapore MNCs. *International Business Review*, 8(5-6), 591-609. https://doi.org/10.1016/S0969-5931(99)00021-9.
- 315. Tušl, M., Brauchli, R., Kerksieck, P., and Bauer, G. F. (2021). Impact of the COVID-19 crisis on work and private life, mental well-being and self-rated health in German and Swiss employees: Across-sectional online survey. *BMC Public Health*, (21).
- 316. Ubeda, C. L., and Santos, F. A. (2007). Staff development and performance appraisal in a Brazilian research centre. *European Journal of Innovation Management*, 10(1), 109-125.
- 317. Ulrich, D. (1997). *Human resource champions: The next agenda for adding value and delivering results*. Boston: Harvard Business School Press.
- 318. Ulrich, D., and Brockbank, W. (2005). *The HR value proposition*. Boston: Harvard Business School Press.

- 319. Ulrich, D., and Lake, D. (1990). Organizational capability. New York: John Willey.
- 320. Ulrich, M., Kryscynski, D., Ulrich, D., Brockbank, W., and Slade, J. (2015). 2016 HR competency model. RBL Group presentation (Human Resource Competency Conference 2016). University of Michigan's Ross School of Business, slide 20. Retrieved March 28, 2022 from http://www.apg.pt/ downloads/file954 pt.pdf
- 321. Uncapher, M. R., Thieu, M. K., and Wagner, A. D. (2016). Media multitasking and memory: Differences in working memory and long-term memory. *Psychonomic Bulletin and Review*, (23), 483-490.
- 322. Uniwersytet Mikołaja Kopernika w Toruniu. (2020). Niewidoczni, niebędący, niezbędni. Administracja uczelni na rzecz doskonałości naukowej. Raport z badania. Komentarze eksperckie. Retrieved from https://www.wfins.umk.pl/panel/wp-content/uploads/Niewidoczni-niebedacy-niezbedni.Raport.pdf
- 323. Upadhyay, K., and Dangarwala, U. R. (2018). Green HRM initiative: A case study of selected public sector enterprise of Baroda. *International Journal of Research in Commerce and Management*, 9(8).
- 324. Vance, R. I. (2006). Employee engagement and commitment. SHRM Foundation.
- 325. Vaara, J. P., Groeller, H., Drain, J., Kyröläinen, H., Pihlainen, K., Ojanen, T., ... Nindl, B. C. (2022). Physical training considerations for optimizing performance in essential military tasks. *European Journal of Sport Science*, 22(1), 43-57. doi: 10.1080/17461391.2021.1930193
- 326. Verma, A., and Venkatesan, M. (2022). HR factors for the successful implementation of Industry 4.0: A systematic literature review. *Journal of General Management*, 47(2), 73-85. https://doi.org/10.1177/03063070211019141
- 327. Wach, B. A., Wehner, M. C., and Kabst, R. (2021). Performance implications of the HR Business Partner model and the mediating role of internal efficiency: A comparison between Germany and the United Kingdom. *The International Journal of Human Resource Management*, 1-38. doi: 10.1080/09585192.2021.1943490
- 328. Wach-Kąkolewicz, A. (2008). Rozwój zawodowy motywy podejmowania aktywności uczenia sie. *E-mentor*, 4(26), 57-60.
- 329. Wachowiak, P. (2007). Kształtowanie umiejętności przedsiębiorczych. In P. Wachowiak, M. Dąbrowski, B. Majewski (Eds.), Kształtowanie postaw przedsiębiorczych a edukacja ekonomiczna. Warszawa: Publikacja Polsko-Amerykańskiej Fundacji Wolności.
- 330. Wachowiak, P. (2013). *Wrażliwość społeczna przedsiębiorstwa. Analiza i pomiar*. Warszawa: Oficyna Wydawnicza SGH w Warszawie.
- 331. Wang, Z., and Zhang, L. (2010). An empirical study on relations among person-organization fit, job satisfaction and turnover intention. *Chinese Journal Management*, 3, 379-385.
- 332. Warner, A. (2020). Zielony ład, czyli co dalej z motoryzacją? *Rzeczpospolita*. Retrieved May 12, 2022 from https://moto.rp.pl/tu-i-teraz/art17293761-zielony-lad-czyli-co-dalej-z-motoryzacja
- 333. Wijekoon, L., Swinkels, S., Lalik, E., Parekh, R., Isaacs, D., and Kozeychuk, U. (2022). Impact of the Ukraine conflict and related sanctions on global workforces. *The Society for Human Resource Management*. Retrieved May 12, 2022 from https://www.shrm.org/resourcesandtools/legal-and-compliance/employment-law/pages/the-impact-of-the-ukraine-conflict-and-related-sanctions-onglobal-workforces.aspx
- 334. Wilkinson, A., and Wood, G. (2017). Global trends and crises, comparative capitalism and HRM. *The International Journal of Human Resource Management*, 28(18).
- 335. Williams, A. (2015, October 18). Move over, millennials, here comes generation *Z. New York Times*. Retrieved from http://www.nytimes.com/2015/09/20/fashion/moveovermillennialshere-comesgenerationz.html?_r=0
- 336. Wiśniewska, S., Wiśniewski, K., and Szydło, R. (2019). Ranking kompetencji przedstawicieli generacji NEET. *Edukacja Ekonomistów i Menedżerów*, *I*(51), (I-III 2019), 181-192.

- 337. Wojtaszczyk, K. (2012). Employer branding, czyli zarządzanie marką pracodawcy. Uwarunkowania, procesy, pomiar. Łódź: Wydawnictwo Uniwersytetu Łódzkiego.
- 338. Wojtczuk-Turek, A. (2014). Składniki potencjału kompetencyjnego. In M. Juchnowicz (Ed.), Zarządzanie kapitalem ludzkim: procesy – narzędzia – aplikacje. Warszawa: PWE.
- 339. Wood, R., and Payne, T. (2006). Metody rekrutacji i selekcji pracowników oparte na kompetencjach. Kraków: Oficyna Ekonomiczna.
- 340. Wooden, M. (1999). *Job insecurity and job instability: Getting the facts straight', mimeo.* National Institute of Labour Studies. Flinders University.
- 341. Worach-Kardas, H. (2015). Aktywność społeczna pokolenia późnej dorosłości potrzeby, wyzwania, zagrożenia. *Pedagogika Rodziny*, *5*(3).
- 342. World Economic Forum. (2016). *The future of jobs: Employment, skills and workforce strategy for the fourth industrial revolution*. Retrieved October 12, 2019 from http://www3.weforum.org/docs/WEF_Future_of_Jobs.pdf
- 343. Wright, P. M., Gardner, T. M., Moynihan, L. M., and Allen, M. R. (2005). The relationship between HR practices and firm performance: Examining causal order. *Personnel Psychology*, *58*, 409-446. https://doi.org/10.1111/j.1744-6570.2005.00487.x
- 344. Wyrozębski, P. (2014). Zarządzanie wiedzą projektową. Warszawa: Difin.
- 345. Wysokińska-Senkus, A., and Senkus, P. (2016). Geneza, istota i obszary strategiczne implementacji koncepcji sustainability na przykładzie sił lądowych USA studium przypadku. *Zeszyty Naukowe Akademii Obrony Narodowej*, 2(103).
- 346. Yang, E., Kim, Y., and Hong, S. (2021). Does working from home work? Experience of working from home and the value of hybrid workplace post-COVID-1. *Journal of Corporate Real Estate*. doi: 10.1108/JCRE-04-2021-0015
- 347. Yang, L., Holtz, D., Jaffe, S., Suri, S., Sinha, S., Weston, J., ... and Teevan, J. (2022, January). The effects of remote work on collaboration among information workers. *Nature Human Behaviour*, *6*, 43-54.
- 348. Yılmaz, D., and Kılıçoğlu, G. (2013). Resistance to change and ways of reducing resistance in educational organizations. *European Journal of Research on Education*, *1*(1), 14-21.
- 349. Yin, K. R. (2003). Case study research. Design and methods. Thousand Oaks: Sage Publications.
- 350. Yusuf, B. N. (2020). Are we prepared enough? A Case study of challenges in online learning in a private higher learning institution during the covid-19 outbreaks. *Advances in Social Sciences Research Journal*, 7(5), 205-212. https://doi.org/10.14738/assrj.75.8211
- 351. Zack, M. H. (2002). Developing a knowledge strategy. *California Management Review*, 41(3), 125-223.
- 352. Zhang, J. (2016). The dark side of virtual office and job satisfaction. *International Journal of Business and Management*, 11(2), 40-46. https://doi.org/10.5539/ijbm.v11n2p40.
- 353. Zhang-Zhang, Y., Rohlfer, S., and Varma, A. (2022). Strategic people management in contemporary highly dynamic VUCA contexts: A knowledge worker perspective. *Journal of Business Research*, 144, 587-598. https://doi.org/10.1016/j.jbusres.2021.12.069
- 354. Zuo, L., and Juvé, A. M. (2020). Transitioning to a new era: Future directions for staff development during covid-19. *Medical Education*, *55*, 104-107.

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