

CONTENTS

Foreword	7
1. Marcin ANTONIAK – Benefits and threats of neuromarketing: theoretical background and practical use	9
2. Robert BALCERZYK, Janusz MATERAC – The armed forces of the Republic of Poland as a model for organisations using outplacement	27
3. Przemysław BANASIK, Monika ODLANICKA-POCZOBUTT, Sylwia MORAWSKA – The unsustainability of public-sector organizational networks: a case study of voluntary court networks	41
4. Jolanta BARAN – Direct applications of product life cycle assessment in circular economy	55
5. Michał BARTNICKI – Gender as a parameter reflecting the non-savings deposits situation of individual customers	77
6. Anna CELIŃSKA – Product feature as a determinant of the industrial buying method	89
7. Małgorzata CIECIORA, Wiktor BOŁKUNOW, Piotr PIETRZAK, Piotr GAGO, Małgorzata RZEŹNIK-KNOTEK – Critical success factors of ERP/CRM implementation in SMEs in Poland: pilot study	103
8. Mateusz DULEWSKI, Izabela JONEK-KOWALSKA – Use of customer satisfaction survey in analytical marketing of a research institute	117
9. Andrzej DZIERWA, Ryszard RADWAŃSKI, Andrzej PACANA – The use of the design FMEA method on the example of a guttering system	129
10. Henryk DŹWIGOŁ, Piotr BAROSZ – Observation as a research method in social science	141
11. Henryk DŹWIGOŁ, Dariusz DŹWIGOŁ – Management science versus business practice – analysis of selected aspects of the problem	151
12. Henryk DŹWIGOŁ, Mariola DŹWIGOŁ-BAROSZ – Research processes and methodological triangulation	161
13. Bożena GAJDZIK, Andrzej WYCIŚLIK, Krzysztof GAJDZIK – Factors for building a competitive advantage of analytical laboratories on the market ...	171
14. Maciej GITLING – The significance of organisational culture in the development of human capital	189
15. Wes GREBSKI, Michalene GREBSKI, Agnieszka CZERWIŃSKA-LUBSZCZYK, Dominika JAGODA-SOBALAK – Comparative analysis of the curriculum of mechanical engineering program in Poland and the United States	203
16. Piotr HETMAŃCZYK – Digitalization and its impact on the national labour market and education system. Results of a moderated discussion	215

17. Marcin JAKUBIEC – Importance of employee training in the process of human resource management – selected aspects	225
18. Karolina JĄDERKO-SKUBIS, Krzysztof KURUS – Factors determining the use of sewage sludge as a substrate for energy recovery	239
19. Michaela KEŠEĽOVÁ, Patrik ŠVÁB, Peter KORBA, Michal HOVANEČ – The impact of the covid-19 outbreak on aviation	253
20. Wioletta KNAPIK, Janina SZEWCZYK, Monika JAWORSKA, Sławomir LISEK – Social innovation management based on the example of care farms	263
21. Wioletta KNAPIK, Monika ZIOŁO, Chrystian FIRLEJ – Management of the development of non-agricultural small farm businesses towards care farms	279
22. Anna KOCHMAŃSKA, Izabela MARSZAŁEK-KOTZUR – Management ethical challenges in the time of crisis with regard to philosophical considerations of Józef Tischner	293
23. Magdalena KRACZLA – Leadership styles in the context of the meaning of life – an empirical analysis	305
24. Dariusz KRAWCZYK – Strategic goals for post-industrial cities based on the example of the Zabrze city development strategy	325
25. Marzena KUCZYŃSKA-CHAŁADA, Monika ODLANICKA-POCZOBUTT, Roksana POLOCZEK – Qualification of suppliers in a selected production enterprise	339
26. Aleksandra KUZIÓR – Contemporary european cultural values in the context of axiology of sustainable development	351
27. Zygmunt Karol ŁUKASZCZYK, Michalene Eva GREBSKI – Comparative analysis of the educational systems in Poland and the United States	365
28. Joanna MACHNIK-SŁOMKA – The importance of excellence models in assessing the innovative activity of enterprises	379
29. Paulina MAJOR – Projects in foundations and registered associations of the non-governmental organizations sector in Poland	391
30. Małgorzata MAŃKA-SZULIK, Dariusz KRAWCZYK – The activities of a local government entity during pandemic conditions using Zabrze as an example	401
31. Ryszard MARSZOWSKI, Krzysztof GOGOLA – Demographic changes and their impact on the labor market and education system. The result of a nationwide moderated discussion	417
32. Ryszard MARSZOWSKI, Andrzej KOBĄ – The labour market of Jastrzębie-Zdrój in phase II demographic change	437
33. Katarzyna MAZUR-KAJTA – The concept of harmony in chinese culture and the chinese sustainable development	457
34. Krzysztof MICHALSKI, Krzysztof WRÓBEL – Application of selected methods and tools for improving the pipe production process with welded probes	471
35. Krzysztof MICHALSKI – Post-industrial areas management and evaluation with a view to redevelopment – case study	483

36. Elżbieta MILEWSKA – Integration of it systems supporting production management	497
37. Michał MOLENDĄ, Dominika PŁONKA – Application of the indicator analysis to assess and improve the quality of the assembly process of telecommunications installations – a case study	511
38. Aldona MUSIAŁ-KIDAWA – Humanistic aspects of project management	525
39. Marek NIEZABITOWSKI – Universally designed residential environment for senior citizens – some guidelines for practice according to chosen research	537
40. Monika ODLANICKA-POCZOBUTT, Arkadiusz SZMAL – Evaluation of the customer service quality with Servqual method in the chosen company – part I customer perspective	551
41. Monika ODLANICKA-POCZOBUTT, Arkadiusz SZMAL – Evaluation of the customer service quality with Servqual method in the chosen company – part II personnel perspective	565
42. Anna OLKIEWICZ, Marcin OLKIEWICZ – Does the debtor have to be bankrupt? – opportunities and trends proceedings of insolvent entrepreneurs in Poland	577
43. Marcin OLKIEWICZ – Training of human resources as an element of development and building discipline	593
44. Bartosz ORZEŁ – Non-financial value creation due to non-financial data reporting quality	605
45. Elżbieta PALIGA, Krystyna LISIECKA – The assessment of the management control system in a local government unit	619
46. Elżbieta PAWŁOWSKA, Johanna WRANIK – Mediation in economic disputes ...	635
47. Agnieszka PIOTROWSKA-PUCHAŁA – Quality assurance management based on the HACCP system in food service enterprises	647
48. Agnieszka PREDYGIER – Development strategies of selected clusters from the Świętokrzyskie Region	661
49. Joanna RYDROWSKA-KURZBAUER – Intensity of changes in the economic structure and changes in GDP dynamics per capita, as exemplified by selected countries of Central and Eastern Europe	673
50. Joanna RYDROWSKA-KURZBAUER – Systemic determinants for changes in economic structures. Theoretical approach	685
51. Dominika SIWIEC, Andrzej PACANA – The proposition of the method improving the identify the root of problem	695
52. Adam SOJDA – Smart city index based on topsis method	709
53. Tomasz SZULC – Regional support for internationalization of SMEs – case study of the Autonomous Region of Valencia	719
54. Katarzyna SZUPER, Karolina WOŁOSZYN – Innovation & enterprise innovation strategies	735
55. Seweryn TCHÓRZEWSKI – The place of project management in the functioning of an organisation	749

56. Anna WALASZCZYK, Andrzej SZYMONIK – Temperature controlled warehouse safety management model	757
57. Radosław WOLNIAK – Design in ISO 9001:2015	769
58. Radosław WOLNIAK – Operations in ISO 9001:2015	783
59. Marcin WYSKWARSKI – An attempt to determine the scope of duties of the business analyst – application of text mining analysis	795
60. Małgorzata ZAKRZEWSKA, Szymon JAROSZ, Mariusz SOŁTYSIK – The core of managerial competences in managing innovation projects	811
61. Iwona ZDONEK, Anna MULARCZYK – Factors motivating academic teachers to improve their teaching skills – pilot studies	825
62. Dariusz ZDONEK – Identification of the leading research domains and grouping of articles on the smart city using text mining	845
63. Iwona ŻABIŃSKA – Development opportunities for automation and robotization in Poland	861