

# TABLE OF CONTENTS

	<b>INTRODUCTION</b>	<b>7</b>
<b>1.</b>	<b>HISTORICAL CONCEPT OF NEW EUROPEAN BAUHAUS</b>	<b>14</b>
	Abstract	14
	Introduction	15
	1.1. Historical background behind the creation of the Bauhaus	17
	1.2. The concept of Bauhaus	21
	1.3. Historical development of the Bauhaus	23
	Conclusions	34
	Future directions	35
	References	37
<b>2.</b>	<b>NEW EUROPEAN BAUHAUS AS THE EU SUSTAINABILITY TOOL</b>	<b>38</b>
	Abstract	38
	Introduction	39
	2.1. The concept of sustainability and its different 'versions'	39
	2.2. NEB as the EU sustainability tool?	42
	2.3. Conceptualizing NEB as the EU sustainability tool	46
	Conclusions	49
	Future directions	50
	References	51
<b>3.</b>	<b>URBAN DEVELOPMENT AS AN ELEMENT OF THE NATURAL ENVIRONMENT</b>	<b>53</b>
	Abstract	53
	Introduction	54
	3.1. What is the natural environment?	54
	3.3. The current approach toward sustainability	59
	3.4. Urban development so far	61
	3.5. Urban development vs. sustainable development – how sharp is this dichotomy?	65
	3.6. New European Bauhaus as a measure to counteract the urban vs. sustainable development dichotomy	68
	Conclusions	69
	Further directions	69
	References	70
<b>4.</b>	<b>URBAN AND RURAL SPACES IN REGENERATION</b>	<b>71</b>
	Abstract	71
	Introduction	72
	4.1. A historical context for revitalisation in Western & Eastern Europe	73
	4.2. Providing a definition for the revitalisation process and an overview of the approach	76
	4.3. Case studies of revitalisation in urban and rural areas in Poland	80
	Conclusions	85
	Further directions	86
	References	87

<b>5.</b>	<b>ART, ARCHITECTURE AND THE CITY</b>	<b>88</b>
	Abstract	88
	Introduction	88
	5.1. The roots of modern and contemporary public art	89
	5.2. Types of contemporary public art	94
	5.3. The figures of artistic activity in the urban space – a new approach	100
	Conclusions	109
	Future directions	109
	References	110
<b>6.</b>	<b>NEW ARCHITECTURE. ADAPTABLE AND MODULAR HOUSING</b>	<b>111</b>
	Abstract	111
	Introduction	112
	6.1. Towards adaptable and modular housing	113
	6.2. Modernist architecture	115
	6.3. Architecture after modernism	120
	Conclusions	135
	Future directions	136
	References	137
<b>7.</b>	<b>TECHNIQUES, MATERIALS AND PROCESSES FOR CONSTRUCTION AND DESIGN</b>	<b>138</b>
	Abstract	138
	Introduction	139
	7.1. Traditional sustainable building materials and technologies	139
	7.2. Modern building materials with energy functions	152
	7.3. Examples of energy interactive building materials	153
	Conclusions	157
	Future directions	158
	References	159
<b>8.</b>	<b>SOCIAL INTEGRATION AND PARTICIPATION IN HOUSING</b>	<b>161</b>
	Abstract	161
	Introduction	162
	8.1. Social integration	163
	8.2. Types of social relationships	166
	8.3. Social integration in practice	171
	Conclusions	179
	Future directions	180
	References	181

<b>9.</b>	<b>CLEAN ENERGY TRANSITION IN NEB</b>	<b>183</b>
	Abstract	183
	Introduction	184
	9.1. Transformation of energy system model – from centralized energy systems based on fossil fuels towards decentralized energy systems based on renewables	185
	9.2. The social importance of energy transformation	189
	9.3. Renewable energy technologies in distributed energy systems	192
	9.4. The energy interactive buildings	197
	9.5. Local energy communities	203
	Conclusions	204
	Future directions	204
	References	205
<b>10.</b>	<b>BUILDINGS CONSTRUCTED OR RENOVATED IN A SPIRIT OF SUSTAINABILITY</b>	<b>206</b>
	Abstract	206
	Introduction	207
	10.1. Sustainable development in construction industry	207
	10.2. Building physics as a foundation for sustainable development in buildings	211
	10.3. Designing buildings according to sustainable development principles	215
	10.4. Profitability of sustainable construction	219
	Conclusions	221
	Future directions	221
	References	222
<b>11.</b>	<b>NEW SUSTAINABLE MOBILITY IN NEW EUROPEAN BAUHAUS</b>	<b>223</b>
	Abstract	223
	Introduction	224
	11.1. Transport in urban development concepts	225
	11.2. The city in fifteen minutes	227
	11.3. Cities in the regional spatial structure	229
	11.4. Transport in the European Green Deal	230
	11.5. Urban Mobility	231
	11.6. Mobility infrastructure	233
	11.7. Shared mobility	235
	Conclusions	236
	Further directions	236
	References	237
<b>12.</b>	<b>FINAL REMARKS</b>	<b>238</b>
	Introduction	238
	12.1. Sustainability and the New European Bauhaus	239
	12.2. Social transformation	240
	12.3. Management of public spaces	241
	12.4. Sectors of impact	242
<b>13.</b>	<b>ABOUT THE AUTHORS</b>	<b>247</b>