

Table of Contents

Introduction (<i>Alicja Barć</i>)	7
1. Physiographic characteristics of the study area	17
1.1. Location and borders	17
1.2. The most important information concerning the natural environment	17
2. Material and methods	23
3. Geobotanical characteristics of the <i>Abietetum albae</i> association	29
3.1. General characteristics	29
3.2. Floristic composition, local-habitat differentiation, and distribution in the study area	32
3.3. Peculiar character of the association in the region in the light of its variability in Poland	42
4. The structure and dynamics of fir renewal in the phytocoenoses of the <i>Abietetum albae</i> association on the chosen study plots	49
4.1. The differentiation of the vertical structure of the upland mixed fir coniferous forest <i>Abietetum albae</i>	49
4.2. Species diversity in particular layers of the forest	51
4.3. Diameter structure of the forest stand	55
4.4. Diameter and height structure of the up-growths	60
4.5. Fir in the new-growths	67
4.6. Dynamics of the fir regeneration in the phytocoenoses of the <i>Abietetum albae</i> association	78
5. Importance and state of maintenance of the fir forests in the central part of the Cracow-Częstochowa Upland	81
6. Discussion	91
7. Summary of results and conclusions	103

Appendix 1: List of endangered (EN), vulnerable (VU), nearly threatened (NT) and lowest care (LC) species found in patches of <i>Abietetum albae</i> in the central part of the Cracow-Częstochowa Upland (according to PARUSEL, URBISZ [eds.] 2012; STEBEL et al. 2012)	109
Appendix 2: List of geographical and proper names used in the monograph . . .	111
References	117
List of tables	131
List of figures	133
List of photographs	135
Streszczenie	137
Резюме	141