

Studies in oat evolution : a man's life with avena

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Abstrak

A first part deals with the morphology and taxonomy of the genus and a classification based on the biological species concept is presented. A further part is devoted to the author's research accomplishments in this genus. It describes morphological characters distinguishing between diploids and tetraploids of series Eubarbatae, the genetic relationships between them, and the mode of origin of the tetraploid form. The section Denticulatae, to which the common oat belongs, is extensively treated. Further, oat domestication and the newly domesticated protein rich *A. magna* are described. A third part deals with wild genetic resources of oat.