

NATIONAL RESEARCH  
TOMSK STATE UNIVERSITY

Roberto Cazzolla Gatti

**BIOLOGICAL DIVERSITY (THEORIES,  
MEASURES AND DATA SAMPLING  
TECHNIQUES)**

**Massive Open Online Course**

*Passed the examination within the third university competition  
for selection of open online course pedagogical scenarios 2015  
and selected as the winner at the session of the Contest  
Committee (the record No. 38 from 10/23/2015)*

Tomsk  
Tomsk State University  
2015

**УДК 574(075.8)**  
**ББК**

**Roberto Cazzolla Gatti**

C23 Biological Diversity (Theories, Measures and Data sampling techniques) : Massive Open Online Course. – Tomsk: Tomsk State University, 2015.

The course presents an overview of the theory behind biological diversity evolution and dynamics and of methods for diversity calculation and estimation. We will become familiar with the major alpha, beta, and gamma diversity estimation techniques. Understanding how biodiversity evolved and is evolving on Earth and how to correctly use and interpret biodiversity data is important for all students interested in conservation biology and ecology, whether they pursue careers in academia or as policy makers and other professionals (students graduating from our programs do both). Academics need to be able to use the theories and indices correctly, whereas policy makers must be able to understand and interpret the conclusions offered by the academics.

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