

# Phylogenetic Handbook

[DOWNLOAD HERE](#)

A broad, hands on guide with detailed explanations of current methodology, relevant exercises and popular software tools. The Phylogenetic Handbook is a broad, hands on guide to theory and practice of nucleotide and protein phylogenetic analysis. This second edition includes six new chapters, covering topics such as Bayesian inference, tree topology testing and the impact of recombination on phylogenies, as well as a detailed section on molecular adaptation. The book has a stronger focus on hypothesis testing than the previous edition, with more extensive discussions on recombination analysis, detecting molecular adaptation and genealogy-based population genetics. Many chapters include elaborate practical sections, which have been updated to introduce the reader to the most recent versions of sequence analysis and phylogeny software, including BLAST, FastA, Clustal, T-coffee, Muscle, DAMBE, Tree-puzzle, Phylip, MEGA, PAUP , IQPNNI, CONSEL, ModelTest, Prottest, PAML, HYPHY, MrBayes, BEAST, LAMARC, SplitsTree, and RDP. Many analysis tools are described by their original authors, resulting in clear explanations that constitute an ideal teaching guide for advanced-level undergraduate and graduate students. EAN/ISBN : 9780511513039 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Lemey, Philippe - Salemi, Marco - Vandamme, Anne-Mieke

[DOWNLOAD HERE](#)

## Similar manuals:

[Analysis Of Phylogenetics And Evolution With R](#)

[Phylogenetic Handbook](#)

[Phylogenetics](#)