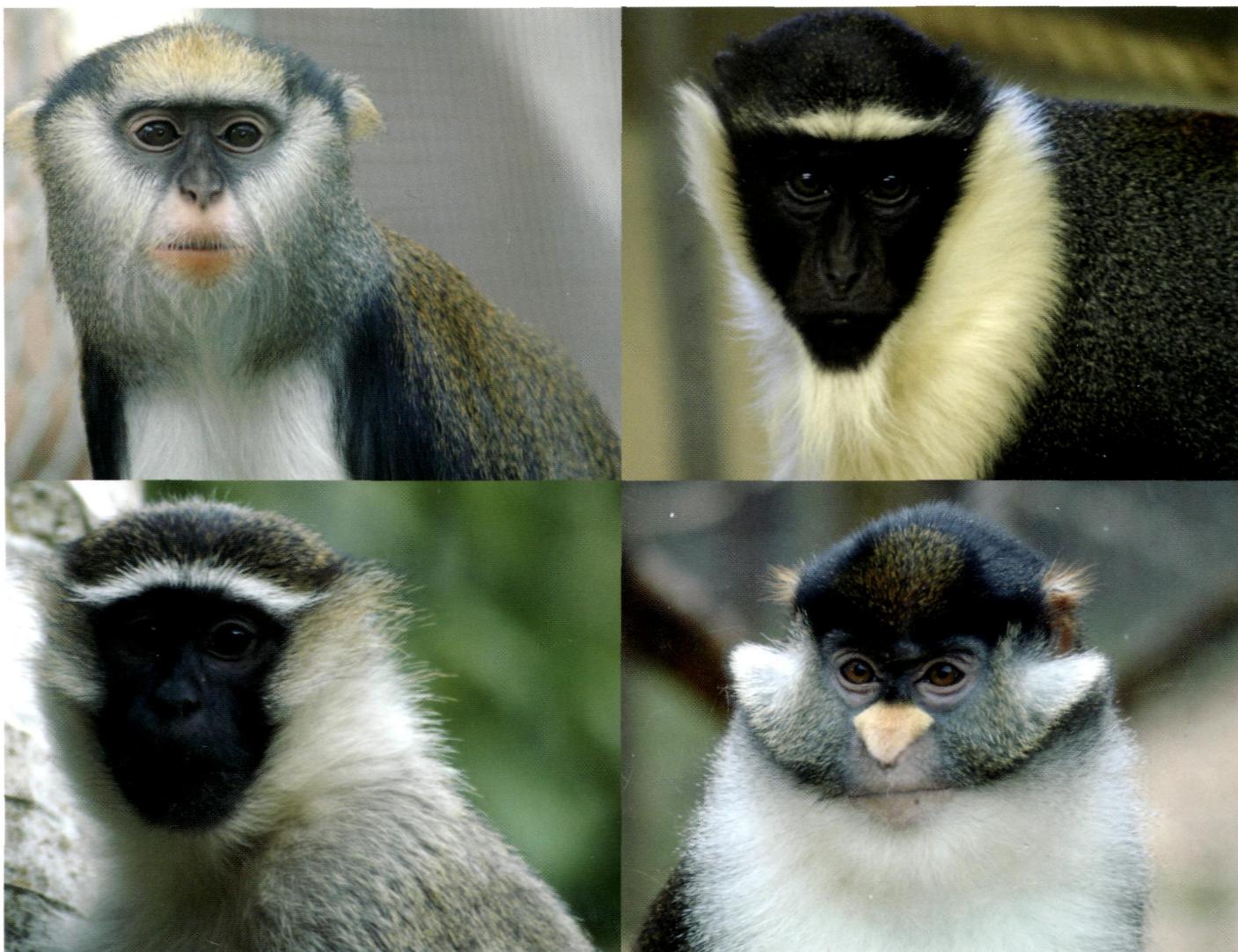


Systematic Biology

A JOURNAL OF THE
Society of Systematic Biologists



VOLUME 62
NUMBER 4

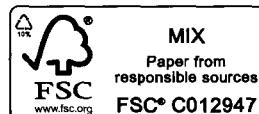
JULY 2013

ONLINE ISSN 1076-836X
PRINT ISSN 1063-5157

Systematic Biology

Volume 62, Number 4 July 2013

CONTENTS



Scan to view this journal
on your mobile device

REGULAR ARTICLES

The Estimation of Tree Posterior Probabilities Using Conditional Clade Probability Distributions <i>Bret Larget</i>	501
Timetree of Aselloidea Reveals Species Diversification Dynamics in Groundwater <i>Claire Morvan, Florian Malard, Emmanuel Paradis, Tristan Lefébure, Lara Konecny-Dupré, and Christophe J. Douady</i>	512
A Branch-Heterogeneous Model of Protein Evolution for Efficient Inference of Ancestral Sequences <i>M. Groussin, B. Boussau, and M. Gouy</i>	523
Next-Generation Museomics Disentangles One of the Largest Primate Radiations <i>Katerina Guschanski, Johannes Krause, Susanna Sawyer, Luis M. Valente, Sebastian Bailey, Knut Finstermeier, Richard Sabin, Emmanuel Gilissen, Gontran Sonet, Zoltán T. Nagy, Georges Lenglet, Frieder Mayer, and Vincent Savolaine</i>	539
New Approaches to the Biogeography and Areas of Endemism of Red Oaks (<i>Quercus</i> L., Section <i>Lobatae</i>) <i>Andrés Torres-Miranda, Isolda Luna-Vega, and Ken Oyama</i>	555
Anomalous Unrooted Gene Trees <i>James H. Dugnan</i>	574
Evolutionary Covariation in Geometric Morphometric Data: Analyzing Integration, Modularity, and Allometry in a Phylogenetic Context <i>Christian Peter Klingenberg and Jesús Marugán-Lobón</i>	591

SOFTWARE FOR SYSTEMATICS AND EVOLUTION

PhyloBayes MPI: Phylogenetic Reconstruction with Infinite Mixtures of Profiles in a Parallel Environment <i>Nicolas Lartillot, Nicolas Rodrigue, Daniel Stubbs, and Jacques Richer</i>	611
---	-----

POINTS OF VIEW

More Taxonomists Describing Significantly Fewer Species per Unit Effort May Indicate That Most Species Have Been Discovered <i>Mark J. Costello, Simon Wilson, and Brett Houlding</i>	616
Nodes, Branches, and Phylogenetic Definitions <i>Kevin De Queiroz</i>	625

BOOK REVIEWS

Evolution: Making Sense of Life <i>David A. Morrison</i>	633
Tree Thinking: An Introduction to Phylogenetic Biology <i>David A. Morrison</i>	634

Cover Illustration: Cercopithecini is the most species-rich group of extant African primates, containing over 60 described species and subspecies. Famed for their morphological, ecological, behavioral, acoustic, and cytogenetic diversity this species group has attracted the attention of many biologists. However, evolutionary relationships between guenons remain poorly resolved, due to their wide geographic distribution, which renders sampling in the wild difficult and the fact that 1/3 of the taxa are red-listed. Photos by Katerina Guschanski (clockwise from upper left): *Cercopithecus lowei*, *Cercopithecus roloway*, *Chlorocebus pygerythrus*, *Cercopithecus ascanius*.