

# Contents

**V. D. MAYRINK and J. E. LUCAS**

Bayesian factor models for the detection of coherent patterns in gene expression data ..... 1

**M. ZEVALLOS and L. K. HOTTA**

Slope influence diagnostics in conditional heteroscedastic time series models ..... 34

**L. AL LABADI**

Some refinements on Fedorov's algorithms for constructing D-optimal designs ..... 53

**M. BOURGUIGNON and K. L. P. VASCONCELLOS**

First order non-negative integer valued autoregressive processes with power series innovations ..... 71

**S. KAYAL, S. KUMAR and P. VELLAISAMY**

Estimating the Renyi entropy of several exponential populations ..... 94

**M. CABEZAS**

Sub-Gaussian bound for the one-dimensional Bouchaud trap model ..... 112

**E. A. MILANI, V. L. D. TOMAZELLA, T. C. M. DIAS and F. LOUZADA**

The generalized time-dependent logistic frailty model: An application to a population-based prospective study of incident cases of lung cancer diagnosed in Northern Ireland ..... 132

**E. F. SARAIVA and F. LOUZADA**

A gene-by-gene multiple comparison analysis: A predictive Bayesian approach ..... 145

**A. J. LEMONTE**

Corrigendum. The beta log-logistic distribution ..... 172

