

# Supplementary Information

## A Historical Evaluation of Anthropogenic Impact in Coastal Ecosystems by Geochemical Signatures

Soraya M. Patchineelam,<sup>\*a</sup> Christian J. Sanders,<sup>b</sup> Joseph M. Smoak,<sup>c</sup>  
Rafaela C. Zem,<sup>a</sup> Gustavo Oliveira<sup>b</sup> and Sambasiva R. Patchineelam<sup>b</sup>

<sup>a</sup>Centro de Estudos do Mar, Universidade Federal do Paraná, 83255-971 Pontal-PR, Brazil

<sup>b</sup>Departamento de Geoquímica, Universidade Federal de Fluminense, 24020-141 Niterói-RJ, Brazil

<sup>c</sup>Environmental Science, University of South Florida, 3370-000 St. Petersburg-FL, USA

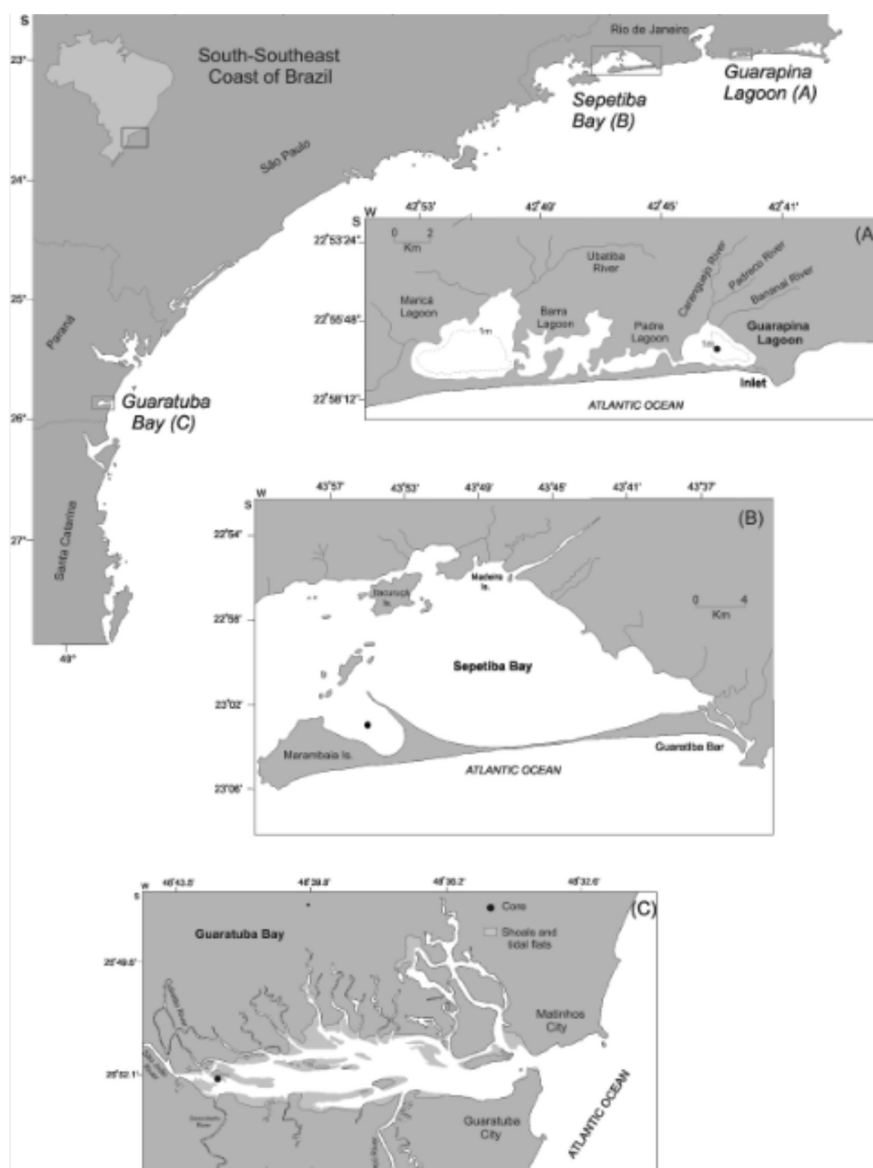


Figure S1. Study areas.

\*e-mail: geosam@vm.uff.br