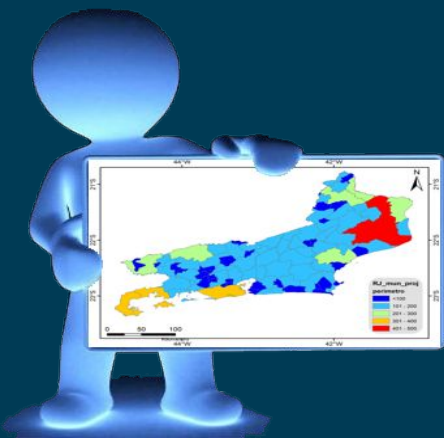


Tópicos Especiais em RGV II

Modelagem de adequabilidade ambiental



Diogo S. B. Rocha

Exemplos de usos da modelagem

- Avaliar o efeito de mudanças climáticas sobre a área de distribuição das espécies
- Identificar áreas com maior probabilidade de ocorrência de espécies raras
- Detectar áreas susceptíveis à invasão por espécies exóticas
- Estimar áreas adequadas ao cultivo de espécies de interesse comercial
 - inclusive frente às mudanças climáticas
- Investigar quais fatores ambientais influenciam a distribuição e/ou expansão da ocorrência da espécie
- Escolher espécies para restauração de áreas degradadas
- Escolher áreas prioritárias para conservação



Risk analysis using species distribution modeling to support public policies for the alien alga *Kappaphycus alvarezii* aquaculture in Brazil

Beatriz Castelar^{a,b,*}, Marínez F. de Siqueira^a, Andrea Sánchez-Tapia^a, Renata P. Reis^a

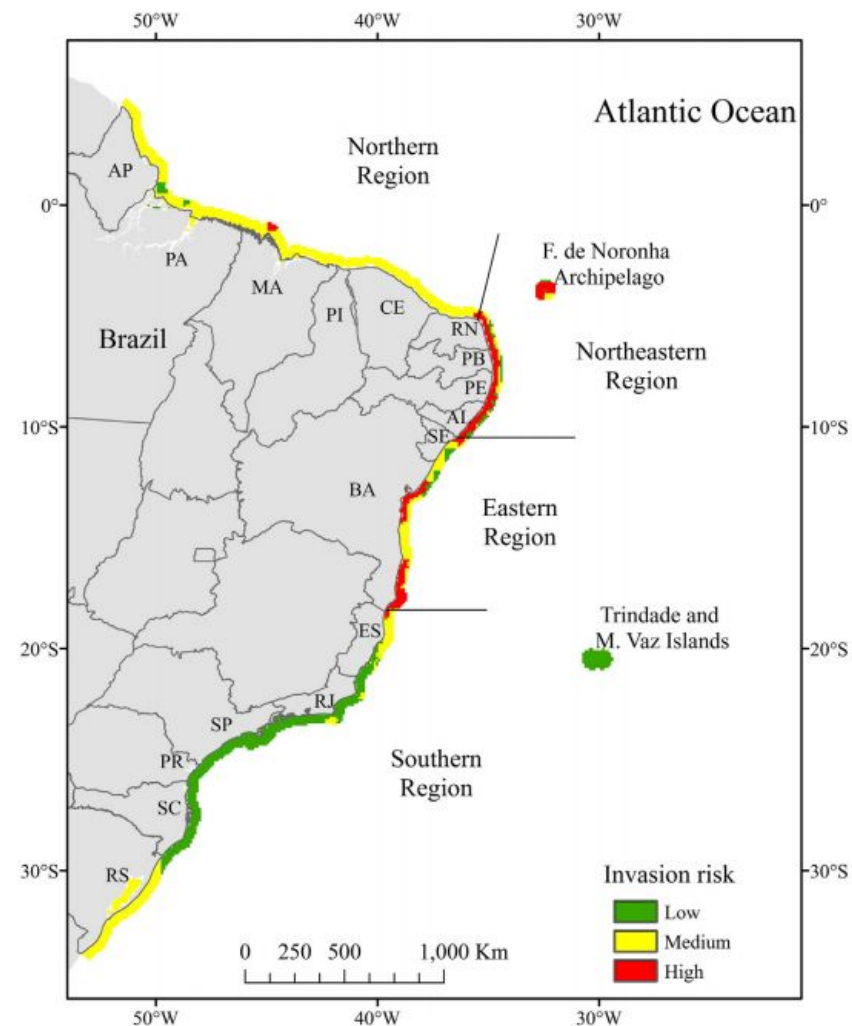
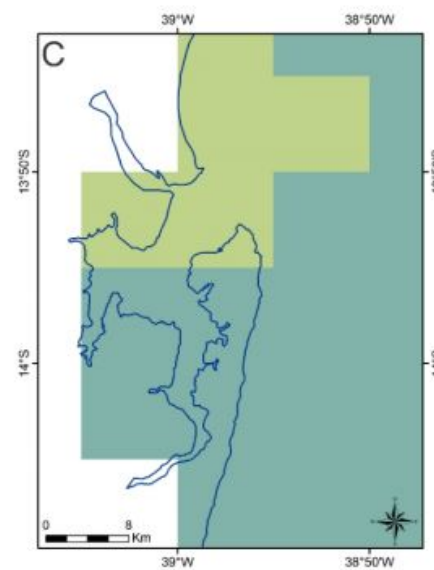
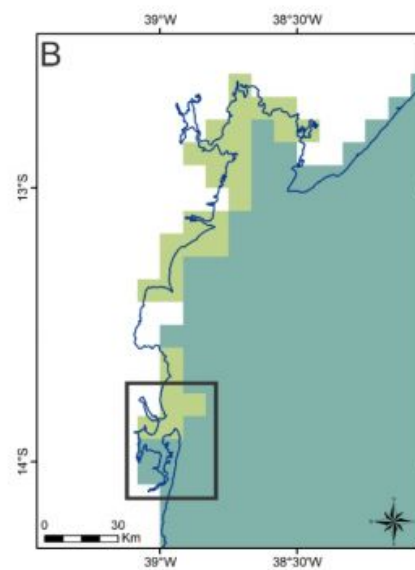
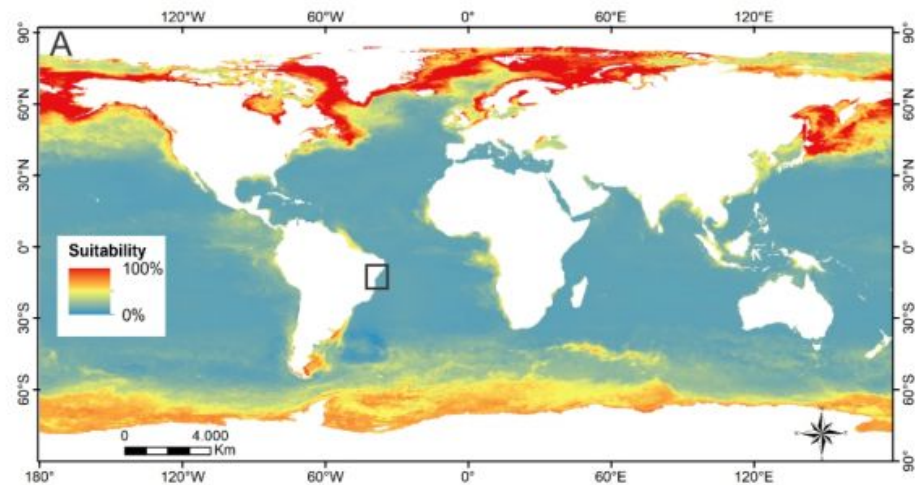
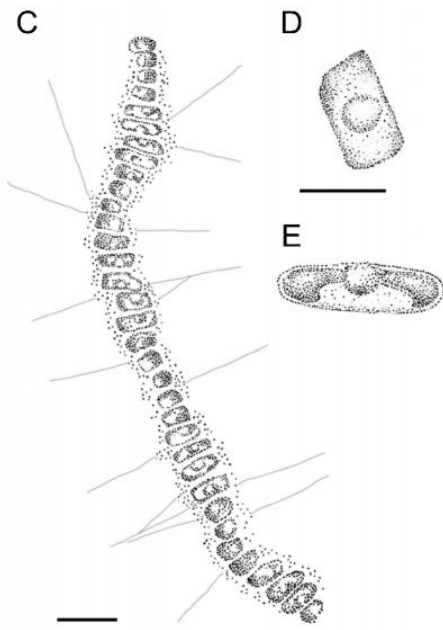
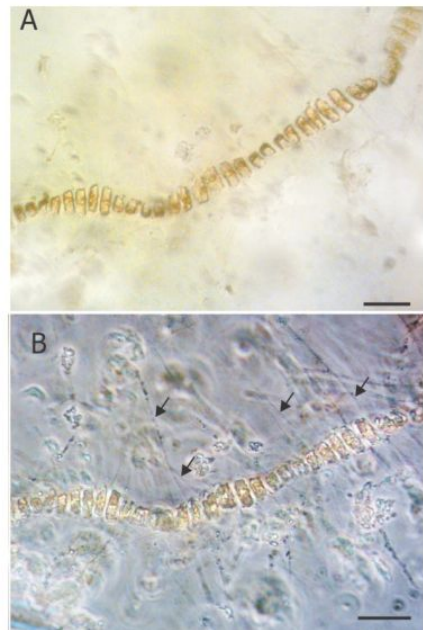


Fig. 2. Risk analysis map of introduction of *K. alvarezii* for aquaculture purposes in Brazil.



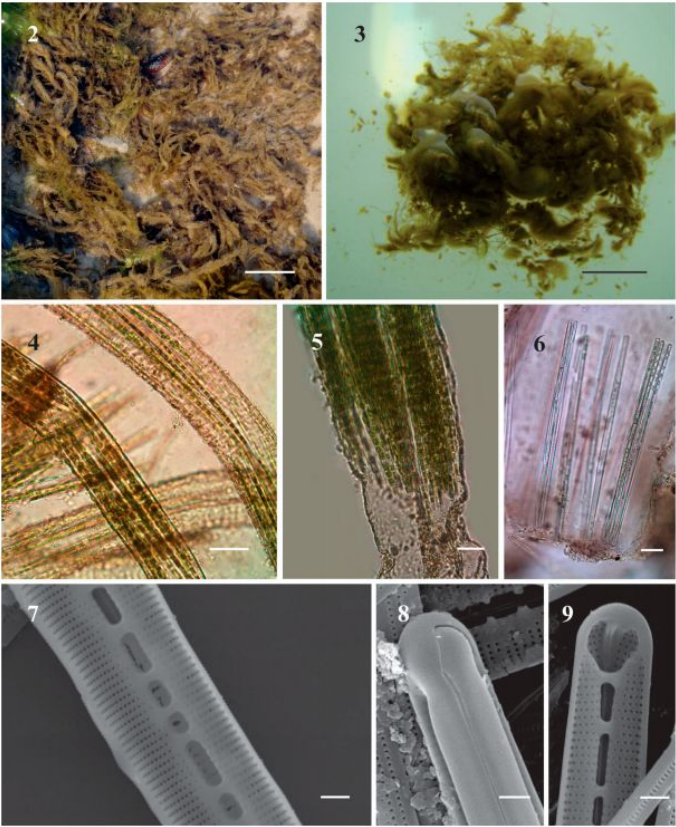
First record of *Navicula pelagica* (Bacillariophyta) in the South Atlantic Ocean: the intriguing occurrence of a sea-ice-dwelling species in a tropical estuary

HELEN MICHELLE DE JESUS AFFE^{1*}, DIOGO SOUZA BEZERRA ROCHA², MARIÂNGELA MENEZES³ & JOSÉ MARCOS DE CASTRO NUNES¹



Nitzschia martiana (C.A. Agardh) Van Heurck (Bacillariophyceae): distribution modelling and new records along the Brazilian coast

HELEN MICHELLE DE JESUS AFFE ¹, DIOGO SOUZA BEZERRA ROCHA ², TAIARA AGUIAR CAIRES ¹, PRISCILA BARRETO DE JESUS ¹, VALTER LOUREIRO DE ARAUJO ¹, LUCIANO FELÍCIO FERNANDES ³ & JOSÉ MARCOS DE CASTRO NUNES ¹



Figures 2-9. Morphological features of *N. martiana*. Figures 2-3. General views of colonies. Figures 4-5. Details of mucilaginous tubes under light microscopy. Fig. 6. Cells under light microscopy showing numerous chloroplasts. Figures 7-9. Cells under SEM showing the central raphe. Scale bars = 2 cm (Fig. 2); 1 cm (Fig. 3); 50 μm (Fig. 4); 30 μm (Fig. 5); 20 μm (Fig. 6); 1 μm (Figs 7-9).

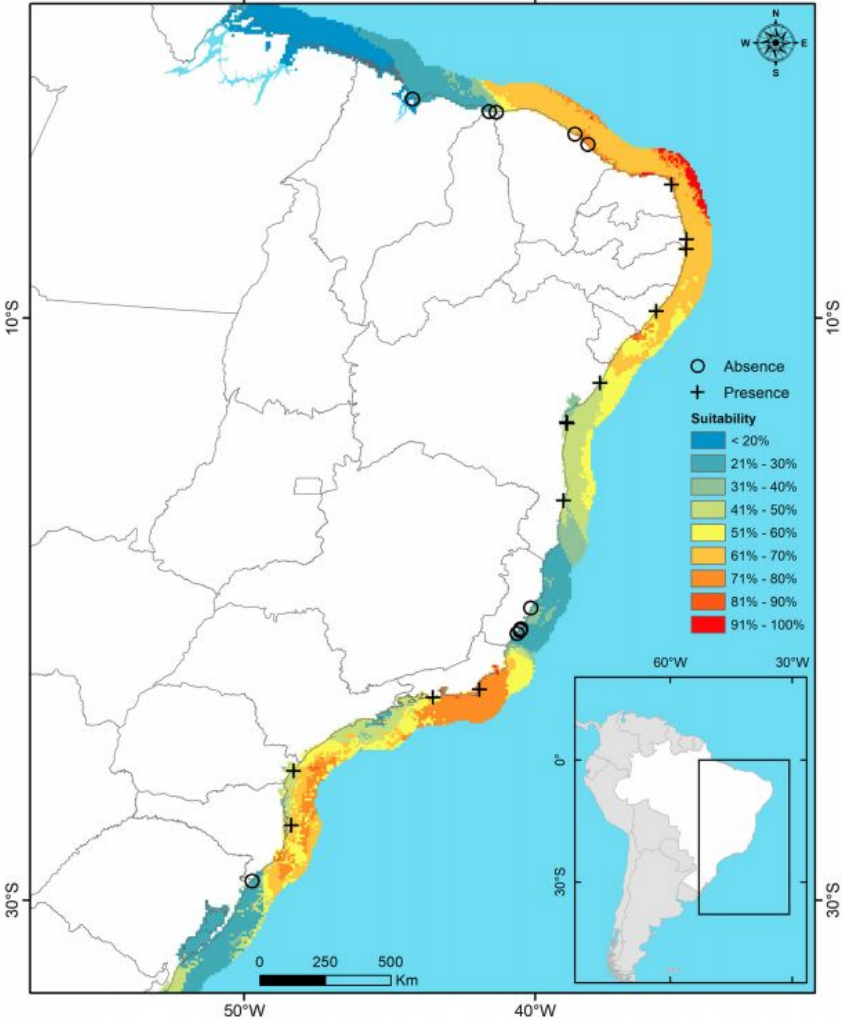
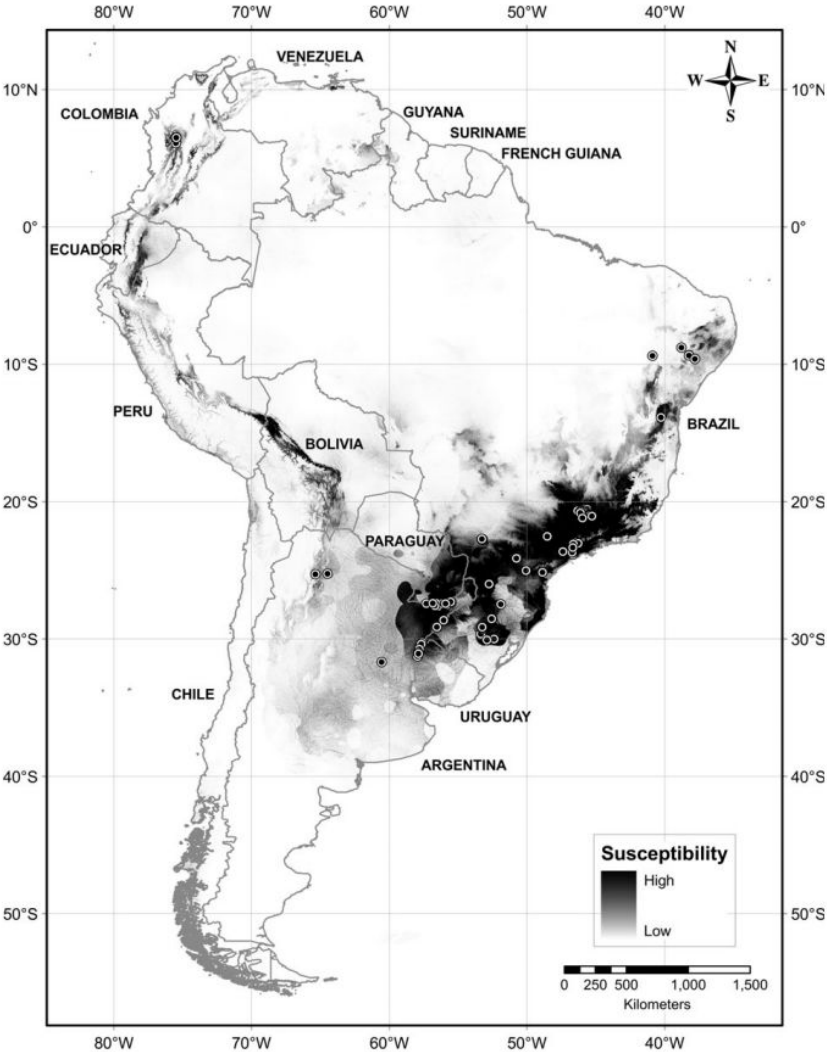


Fig. 10. Potential distribution model and observed geographical distribution (occurrence and absence areas) of *N. martiana* along the Brazilian coast.

POTENTIAL DISTRIBUTION OF THE INVASIVE FRESHWATER DINOFLAGELLATE
CERATIUM FURCOIDES (LEVANDER) LANGHANS (DINOPHYTA) IN SOUTH AMERICA¹



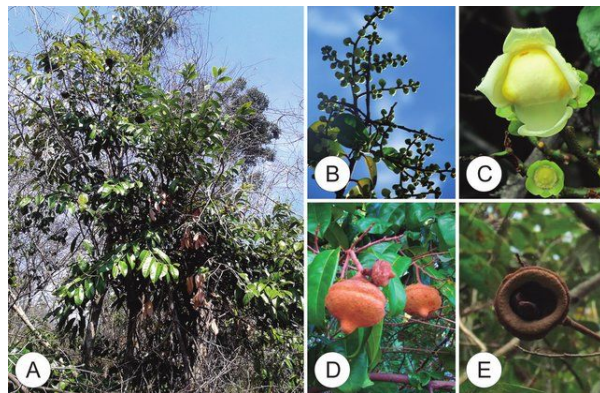
Identification of priority areas for *Eschweilera tetrapetala* (Lecythidaceae)

conservation in response to climate change

Rodriguésia 72: e02272019. 2021

Isiara Silva Menezes^{1,5}, Diogo Souza Bezerra Rocha², Roy Richard Funch³,

Ana Paula Lima do Couto-Santos⁴ & Ligia Silveira Funch^{1,6,7}



Menezes et al. 2017

