

Erratum to: Comparative Analysis of Phytoplankton Composition and Abundance over a Two-Decade Period at the Land–Ocean Boundary of a Tropical Mangrove Ecosystem

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In the first paragraph on the second to last page of the original article the following species names are corrected as follows:

Rhizosolenia alata corrected to *Proboscia alata*
Ceratium tripose corrected to *Ceratium tripos*
R. alata corrected to *P. alata*
Rhizosolenia styliformes corrected to *Rhizosolenia styliformis*

In the second paragraph on the second to last page of the original article the following species names are corrected as follows:

Ditylum brightwelli corrected to *Ditylum brightwellii*
Leptocylindricus corrected to *Leptocylindrus*
Nitzschia seriata corrected to *Pseudo-nitzschia sp.*

There were several misspellings in Tables 2 and 3 in the original article. Following are the corrected tables:

The online version of the original article can be found under
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Table 2 Phytoplankton composition and their relative abundance RA (%), observed in the Sundarban Mangrove water over two decade period (mean of three stations \pm standard deviation)

| 1990 | | 2000 | | 2007 | |
|--|------------------|-----------------------------------|-------------------|-----------------------------------|-------------------|
| <i>Amphora hyalina</i> | 0.13 \pm 0.04 | <i>Amphora hyalina</i> | 0.01 \pm 0.017 | <i>Amphipleura</i> sp. | 1.104 \pm 1.15 |
| <i>Asterionellopsis glacialis</i> | 3.97 \pm 0.88 | <i>Asterionellopsis glacialis</i> | 0.79 \pm 0.280 | <i>Amphiprora constricta</i> | 0.38 \pm 0.485 |
| <i>Bacillaria paradoxa</i> | 0.69 \pm 0.26 | <i>Bacillaria paradoxa</i> | 0.10 \pm 0.105 | | |
| <i>Bacteriastrium hyalinum</i> | 0.27 \pm 0.05 | <i>Bacteriastrium delicatum</i> | 0.38 \pm 0.568 | <i>Asterionellopsis glacialis</i> | 23.5 \pm 10.51 |
| <i>Odontella regia</i> | 2.44 \pm 0.75 | <i>Bacteriastrium hyalinum</i> | 0.26 \pm 0.456 | <i>Bacillaria paradoxa</i> | 0.503 \pm 0.71 |
| <i>Odontella sinensis</i> | 2.83 \pm 0.96 | <i>Ceratium furca</i> | 1.72 \pm 1.331 | <i>Bacteriastrium</i> sp. | 0.125 \pm 0.056 |
| <i>Ceratium tripos</i> | 0.25 \pm 0.17 | <i>Ceratium tripos</i> | 1.88 \pm 1.319 | <i>Bellerochea malleus</i> | 9.75 \pm 4.36 |
| <i>Chaetoceros curvisetus</i> | 2.02 \pm 0.70 | <i>Chaetoceros affinis</i> | 8.67 \pm 9.451 | <i>Ceratium furca</i> | 2.09 \pm 2.62 |
| <i>Chaetoceros diversus</i> | 2.77 \pm 1.19 | <i>Chaetoceros atlanticus</i> | 0.12 \pm 0.202 | <i>Ceratium fusus</i> | 0.154 \pm 0.334 |
| <i>Chaetoceros lorenzianus</i> | 0.97 \pm 0.29 | <i>Chaetoceros cinctus</i> | 0.91 \pm 1.530 | <i>Ceratium tripos</i> | 0.125 \pm 0.056 |
| <i>Coscinodiscus eccentricus</i> | 29.14 \pm 4.65 | <i>Chaetoceros curvisetus</i> | 0.49 \pm 0.704 | <i>Cerataulina pelagica</i> | 0.068 \pm 0.151 |
| <i>Coscinodiscus lineatus</i> | 6.21 \pm 0.62 | <i>Chaetoceros didymus</i> | 0.08 \pm 0.139 | <i>Chaetoceros curvisetus</i> | 0.396 \pm 0.773 |
| <i>Coscinodiscus radiatus</i> | 18.28 \pm 3.74 | <i>Chaetoceros diversus</i> | 0.27 \pm 0.249 | <i>Chaetoceros atlanticus</i> | 0.92 \pm 1.051 |
| <i>Diploneis</i> sp. | 2.26 \pm 0.66 | <i>Chaetoceros gracilis</i> | 0.08 \pm 0.144 | <i>Chaetoceros decipiens</i> | 4.523 \pm 4.859 |
| <i>Ditylum brightwellii</i> | 3.16 \pm 0.26 | <i>Chaetoceros holsaticus</i> | 0.73 \pm 1.264 | <i>Chaetoceros lorenzianus</i> | 1.474 \pm 2.061 |
| <i>Eucampia zodiacus</i> | 1.09 \pm 0.77 | <i>Chaetoceros laciniatus</i> | 0.43 \pm 0.609 | <i>Chaetoceros</i> sp. | 0.466 \pm 1.012 |
| <i>Gyrosigma</i> sp. | 1.01 \pm 0.23 | <i>Chaetoceros lorenzianus</i> | 0.58 \pm 0.655 | <i>Coscinodiscus gigas</i> | 0.375 \pm 0.168 |
| <i>Halosphaera viridis</i> | 1.26 \pm 0.14 | <i>Chaetoceros peruvianus</i> | 0.04 \pm 0.075 | <i>Coscinodiscus eccentricus</i> | 4.592 \pm 3.685 |
| <i>Cylindrotheca closterium</i> | 0.75 \pm 0.10 | <i>Corethron criophyllum</i> | 0.09 \pm 0.114 | <i>Coscinodiscus lineatus</i> | 2.799 \pm 3.289 |
| <i>Odontella mobiliensis</i> | 2.02 \pm 0.55 | <i>Coscinodiscus concinnus</i> | 1.92 \pm 0.465 | <i>Coscinodiscus radiatus</i> | 1.691 \pm 1.919 |
| <i>Pleurosigma elongatum</i> | 1.37 \pm 0.19 | <i>Coscinodiscus eccentricus</i> | 8.44 \pm 5.207 | <i>Cocconeis</i> sp. | 1.196 \pm 2.47 |
| <i>Proboscia alata</i> | 3.17 \pm 1.13 | <i>Coscinodiscus gigas</i> | 1.55 \pm 0.655 | <i>Cyclotella</i> sp. | 0.357 \pm 0.657 |
| <i>Rhizosolenia hebetata</i> | 1.28 \pm 0.44 | <i>Coscinodiscus lineatus</i> | 1.30 \pm 1.142 | <i>Diatoma</i> sp. | 0.125 \pm 0.056 |
| <i>Rhizosolenia imbricata</i> | 1.86 \pm 0.41 | <i>Coscinodiscus radiatus</i> | 11.21 \pm 4.974 | <i>Dinophysis caudata</i> | 0.094 \pm 0.138 |
| <i>Guinardia striata</i> | 1.09 \pm 0.34 | <i>Cyclotella stylorum</i> | 0.03 \pm 0.058 | <i>Ditylum brightwellii</i> | 0.8 \pm 0.63 |
| Silicoflagellates | 4.50 \pm 1.32 | <i>Dinophysis caudata</i> | 0.06 \pm 0.110 | <i>Eucampia zodiacus</i> | 0.084 \pm 0.118 |
| <i>Skeletonema</i> cf. <i>costatum</i> | 1.42 \pm 0.57 | <i>Ditylum brightwellii</i> | 4.75 \pm 2.320 | | |
| <i>Thalassionema nitzschioides</i> | 1.77 \pm 0.23 | <i>Eucampia zodiacus</i> | 0.32 \pm 0.172 | <i>Guinardia flaccida</i> | 0.607 \pm 0.942 |
| <i>Thalassiosira decipiens</i> | 1.94 \pm 0.38 | <i>Fragilaria</i> sp. | 0.70 \pm 1.212 | <i>Gyrosigma</i> sp. | 0.139 \pm 0.184 |
| | | <i>Guinardia flaccida</i> | 0.66 \pm 1.143 | <i>Halosphaera</i> sp. | 0.625 \pm 0.28 |
| | | <i>Gyrosigma</i> sp. | 0.15 \pm 0.142 | <i>Lauderia annulata</i> | 1.193 \pm 1.347 |
| | | <i>Halosphaera viridis</i> | 0.09 \pm 0.090 | <i>Leptocylindrus danicus</i> | 0.955 \pm 0.962 |
| | | <i>Hemiaulus sinensis</i> | 0.23 \pm 0.398 | <i>Leptocylindrus minimus</i> | 1.404 \pm 2.159 |
| | | <i>Lauderia annulata</i> | 2.48 \pm 4.290 | <i>Melosira granulata</i> | 0.26 \pm 0.518 |
| | | <i>Melosira nummuloides</i> | 1.98 \pm 1.897 | <i>Melosira varians</i> | 0.578 \pm 0.993 |
| | | <i>Navicula rhombica</i> | 1.18 \pm 0.962 | <i>Navicula rhombica</i> | 1.413 \pm 1.57 |
| | | <i>Nitzschia longissima</i> | 0.34 \pm 0.361 | <i>Nitzschia longissima</i> | 3.0 \pm 4.318 |
| | | <i>Pseudo-nitzschia</i> sp. | 0.77 \pm 0.970 | <i>Pseudo-nitzschia</i> sp. | 3.111 \pm 1.906 |
| | | <i>Cylindrotheca closterium</i> | 0.21 \pm 0.226 | <i>Nitzschia sigma</i> | 0.884 \pm 0.991 |
| | | <i>Nitzschia spatulata</i> | 0.03 \pm 0.058 | <i>Odontella mobiliensis</i> | 0.190 \pm 0.188 |
| | | <i>Odontella mobiliensis</i> | 0.30 \pm 0.156 | <i>Odontella sinensis</i> | 0.68 \pm 0.292 |

Table 2 (continued)

| 1990 | 2000 | 2007 |
|------|--|--------------|
| | <i>Odontella regia</i> | 0.31±0.108 |
| | <i>Odontella sinensis</i> | 1.33±0.131 |
| | <i>Paralia sulcata</i> | 1.24±0.860 |
| | <i>Planktoniella blanda</i> | 1.33±1.066 |
| | <i>Planktoniella sol</i> | 0.07±0.121 |
| | <i>Pleurosigma elongatum</i> | 3.97±0.811 |
| | <i>Proboscia alata</i> | 2.70±2.238 |
| | <i>Rhizosolenia styliformis</i> | 4.00±2.001 |
| | <i>Schuetzia annulata</i> | 0.14±0.242 |
| | <i>Skeletonema</i> cf. <i>costatum</i> | 12.66±10.237 |
| | <i>Surirella striata</i> | 0.02±0.040 |
| | <i>Synedra hennedyana</i> | 3.64±0.858 |
| | <i>Thalassionema nitzschioides</i> | 1.50±1.005 |
| | <i>Thalassiosira leptopus</i> | 1.47±0.492 |
| | <i>Thalassiosira subtilis</i> | 3.34±3.245 |
| | <i>Thalassiothrix</i> sp. | 3.50±2.544 |
| | <i>Trichodesmium</i> sp. | 2.76±3.384 |
| | <i>Paralia sulcata</i> | 1.642±3.422 |
| | <i>Pinnularia</i> sp. | 2.02±2.809 |
| | <i>Planktoniella blanda</i> | 0.989±2.039 |
| | <i>Planktoniella sol</i> | 1.317±1.929 |
| | <i>Pleurosigma</i> sp. | 2.367±2.034 |
| | <i>Porocentrum micans</i> | 0.135±0.302 |
| | <i>Protoperidinium</i> sp. | 0.877±0.832 |
| | <i>Rhizosolenia cylindrus</i> | 0.278±0.442 |
| | <i>Rhizosolenia hebetata</i> | 0.515±1.152 |
| | <i>Rhizosolenia setigera</i> | 0.972±1.065 |
| | <i>Rhizosolenia styliformis</i> | 0.527±0.644 |
| | <i>Schuetzia annulata</i> | 1.027±2.029 |
| | <i>Skeletonema</i> cf. <i>costatum</i> | 18.952±24.54 |
| | <i>Synedra</i> sp. | 1.687±3.389 |
| | <i>Thalassionema</i> sp. | 1.738±1.713 |
| | <i>Thalassiosira decipiens</i> (small cell in chain) | 5.764±5.788 |
| | <i>Thalassiosira hyalina</i> (large cell in chain) | 2.733±4.47 |
| | <i>Thalassiothrix</i> sp. | 5.499±7.052 |
| | <i>Thalassiosira subtilis</i> | 3.538±7.364 |

Table 3 Decadal changes of individual biovolume (million $\mu\text{m}^3 \text{ cell}^{-1}$), total biovolume ($\text{mm}^3 \text{ L}^{-1}$), and bloom forming months with bloom level (biovolume $\geq 2 \text{ mm}^3 \text{ L}^{-1}$) of some diatom species (relative abundance, RA: 0.37–29.14 %)

| 1990 | Name of diatom species (RA %) | Bloom forming month | Individual biovolume | Total biovolume | Bloom level |
|------|--|---------------------|----------------------|-----------------|-------------|
| 1 | <i>Coscinodiscus eccentricus</i> (29.14) | Jan, Feb, Aug, Sept | 0.103 | 0.165 | 0.082 |
| 2 | <i>Coscinodiscus radiatus</i> (18.28) | Jan, Feb, Mar, Oct | 0.152 | 0.152 | 0.076 |
| 3 | <i>Proboscia alata</i> (3.17) | Nov, Dec | 0.296 | 0.052 | 0.026 |
| 4 | <i>Ditylum brightwellii</i> (3.16) | April | 0.200 | 0.035 | 0.017 |
| 5 | <i>Odontella sinensis</i> (2.83) | Nov, Dec | 0.150 | 0.023 | 0.012 |
| 6 | <i>Pleurosigma elongatum</i> (1.37) | Sept | 0.601 | 0.005 | 0.002 |
| 2000 | | | | | |
| 1 | <i>Coscinodiscus radiatus</i> (11.21) | Dec, Jan, Feb | 0.111 | 3.24 | 1.62 |
| 2 | <i>Chaetoceros affinis</i> (8.67) | Feb | 0.194 | 3.43 | 1.71 |
| 3 | <i>Coscinodiscus eccentricus</i> (8.44) | Jan, Feb | 0.623 | 3.34 | 4.85 |
| 4 | <i>Ditylum brightwellii</i> (4.75) | Dec | 0.123 | 4.92 | 2.46 |
| 5 | <i>Pleurosigma elongatum</i> (3.97) | Dec | 0.043 | 3.38 | 1.69 |
| 6 | <i>Thalassiosira subtilis</i> (3.34) | Dec, Jan | 0.154 | 3.02 | 1.51 |
| 7 | <i>Proboscia alata</i> (2.7) | Feb | 0.055 | 3.11 | 1.55 |
| 8 | <i>Lauderia annulata</i> (2.48) | Dec | 0.019 | 3.24 | 1.62 |
| 9 | <i>Coscinodiscus gigas</i> (1.55) | Dec | 0.613 | 3.81 | 1.91 |
| 10 | <i>Coscinodiscus concinnus</i> (1.92) | Dec, Feb | 0.590 | 3.34 | 1.67 |
| 2007 | | | | | |
| 1 | <i>Asterionellopsis glacialis</i> (23.5) | Jan | 0.067 | 0.24 | 0.121 |
| 2 | <i>Skeletonema cf. costatum</i> (18.95) | Jan | 0.003 | 0.004 | 0.014 |
| 3 | <i>Thalassiosira hyalina</i> (2.73) | Jan | 0.037 | 4.30 | 1.365 |
| 4 | <i>Pinnularia</i> sp. (2.37) | Jan | 4.187 | 1.82 | 0.908 |
| 5 | <i>Pleurosigma elongatum</i> (2.02) | Jan | 5.214 | 1.23 | 0.617 |
| 6 | <i>Coscinodiscus radiatus</i> (1.69) | Jan, March | 1.624 | 3.89 | 0.62–1.62 |
| 7 | <i>Bacillaria</i> sp. (1.5) | March | 5.275 | 1.21 | 0.607 |
| 8 | <i>Protoperidinium</i> sp. (0.87) | Jan | 4.106 | 1.62 | 0.81 |
| 9 | <i>Ditylum brightwellii</i> (0.8) | Jan | 9.972 | 1.97 | 0.984 |
| 10 | <i>Coscinodiscus gigas</i> (0.37) | Dec, March | 9.036 | 1.46 | 0.729 |
| 11 | <i>Coscinodiscus eccentricus</i> (4.59) | Dec | 1.11 | 1.99 | 0.997 |