**Tables**

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| **Table 1:** Stand structure of upstream and downstream *B. gymnorrhiza* plots, and downstream *R. stylosa* plots showing mean diameter at breast height *D,* mean tree height *H*, basal area,tree density *ρ*, aboveground biomass *AGB*, belowground coarse root biomass *BGBc*oarse and fine root mass. Mean values are shown with S.D. Here, values matched with the different letters were significantly different (*p* < 0.05).   |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | **Species** | ***D* (cm)**  **± S.D** | ***H* (m)**  **± S.D** | **Basal area**  **(m2 ha-1)** | ***ρ* (ha-1)** | ***AGB***  **(Mg ha-1)** | ***BGBc*oarse**  **(Mg ha-1)** | **Fine root mass (Mg ha-1)** | | *R. stylosa* (Downstream) | 7.86 ± 1.37a | 5.80  ± 0.09a | 32.41  ± 14.09a | 11306  ± 9603a | 128.46  ± 44.54a | 31.01 ± 11.42a | 12.75  ± 1.05a | | *B. gymnorrhiza* (Downstream) | 16.77 ± 4.75b | 8.15  **±** 0.86b | 53.36  ± 14.68a | 2572  ± 1492a | 269.82  ± 72.81a | 93.68 ± 23.40b | 11.13  ± 1.23a | | *B. gymnorrhiza* (Upstream) | 12.94 ± 0.86ab | 6.70  ± 0.85a | 50.58  ± 4.99a | 4109  ± 1543a | 227.94  ± 30.85a | 81.05  ± 9.70b | 6.35  ± 3.34b | |

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| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Plots** | **Salinity % ± S.D** | **pH ± S.D** | **Soil *N*%** | ***LMA* (** **g** **cm-2)** | **Comparative elevation (cm)** | | *R. stylosa* (Downstream) | 0.91 ± 0.20a | 7.28 ± 0.12a | 0.16 ± 0.02a | 0.032 ± 0.003a | 51.75 ± 18.93a | | *B. gymnorrhiza* (Downstream) | 0.76 ± 0.22a | 7.05 ± 0.12a | 0.17 ± 0.02a | 0.029 ± 0.002ab | 23.25 ± 13.39ab | | *B. gymnorrhiza* (Upstream) | 0.16 ± 0.05b | 7.54 ± 0.11b | 0.12 ± 0.02b | 0.025 ± 0.003b | 4.25 ± 4.63b |   **Table 2:** Soil porewater salinity, soil pH, soil nitrogen, leaf mass area ratio *LMA* and comparative elevation are shown for downstream *R. stylosa* plots; and upstream and downstream *B. gymnorrhiza* plots. Mean values are shown with S.D. Here, values matched with the different letters were significantly different (*p* < 0.05). |

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| **Table 3**: The values of coefficients α and ln*k* in Eq. 6 for the tree density *ρ ˗* mean individual phytomass *w*t relationship are shown with S.E and *R*2 values for *R. stylosa* and *B. gymnorrhiza* plots. Also, the values of coefficients *H*max and *a* in Eq. 7 for the stem diameter *D ˗* height *H* relationships are shown with S.E and *R*2 values.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Plots** | ***ρ* ˗ *w*t relationship** | | ***R*2** | ***D ˗ H* relationship** | | ***R*2** | | ***α* ± S.E** | **ln*k* ± S.E** | ***H*max ± S.E** | ***a* ± S.E** | | *R. stylosa* (Downstream) | -0.65 ± 0.04 | 8.57 ± 0.37 | 0.99 | 9.30 ± 0.36 | 2.20 ± 0.14 | 0.49 | | *B. gymnorrhiza* (Downstream) | -1.37 ± 0.21 | 15.34 ± 1.64 | 0.95 | 12.26 ± 0.66 | 1.78 ± 0.20 | 0.46 | | *B. gymnorrhiza* (Upstream) | -1.32 ± 0.15 | 15.01 ± 1.25 | 0.97 | 13.07 ± 0.96 | 1.25 ± 0.12 | 0.45 | |

**Table 4**:Locations, forest types, dominant species, latitude, above ground biomass *AGB*, tree density *ρ* (ha-1), basal area (m2 ha-1) and mean *H* (m) at different mangroves.

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**Table 5:** Locations, dominant species, latitude, total belowground biomass *BGB*total including coarse and fine roots mass, fine roots mass percentage in *BGB*total and root shoot ratio RSR are shown for different mangroves.

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