Table 172  Simple correlation coefficient ‘r’ analysis between the sediment physicochemical and heavy metal parameters at Manakudy estuary (Parameters Vs site mean)

<table>
<thead>
<tr>
<th></th>
<th>Temperature</th>
<th>Sediment pH</th>
<th>Salinity</th>
<th>Nitrogen</th>
<th>Potassium</th>
<th>Phosphorous</th>
<th>Zinc</th>
<th>Copper</th>
<th>Iron</th>
<th>Manganese</th>
<th>Lead</th>
<th>Organic Carbon</th>
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<td>Temperature (°C)</td>
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<tr>
<td>Salinity %</td>
<td>-0.507</td>
<td>-0.601</td>
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<td>-0.717</td>
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<tr>
<td>Potassium µg g⁻¹</td>
<td>-0.495</td>
<td>-0.527</td>
<td>0.993</td>
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<td>Copper µg g⁻¹</td>
<td>0.197</td>
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<td>0.729</td>
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<td>0.753</td>
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<tr>
<td>Iron µg g⁻¹</td>
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<td>0.163</td>
<td>0.353</td>
<td>0.185</td>
<td>0.543</td>
<td>0.963</td>
<td>-0.456</td>
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<td>Manganese µg g⁻¹</td>
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<td>0.378</td>
<td>0.272</td>
<td>-0.300</td>
<td>0.386</td>
<td>-0.633</td>
<td>0.506</td>
<td>0.411</td>
<td>0.254</td>
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<td>Lead µg g⁻¹</td>
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<td>-0.553</td>
<td>0.586</td>
<td>0.632</td>
<td>0.411</td>
<td>0.506</td>
<td>0.253</td>
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<td>0.155</td>
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<td>-0.915</td>
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<td>-0.080</td>
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Table 173  Simple correlation coefficient ‘r’ analysis between the sediment physicochemical and heavy metal parameters at Rajakkamangalam estuary (Parameters Vs site mean)

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<th>Temperature</th>
<th>Sediment pH</th>
<th>Salinity</th>
<th>Nitrogen µg g⁻¹</th>
<th>Potassium µg g⁻¹</th>
<th>Phosphorous</th>
<th>Zinc</th>
<th>Copper µg g⁻¹</th>
<th>Iron µg g⁻¹</th>
<th>Manganese µg g⁻¹</th>
<th>Lead µg g⁻¹</th>
<th>Organic Carbon %</th>
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</thead>
<tbody>
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<td>Temperature (°C)</td>
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Table 174  Simple correlation coefficient ‘r’ analysis between the sediment physicochemical and heavy metal parameters at Thengapattinam estuary (Parameters Vs site mean)

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<th>Temperature</th>
<th>Sediment pH</th>
<th>Salinity</th>
<th>Nitrogen</th>
<th>Potassium</th>
<th>Phosphorous</th>
<th>Zinc</th>
<th>Copper</th>
<th>Iron</th>
<th>Manganese</th>
<th>Lead</th>
<th>Organic Carbon</th>
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