Figure 4.1: Temperature of Noyyal River water samples at different seasons

Figure 4.2: pH of Noyyal River water samples at different seasons
**Figure 4.3 Electrical conductivity of Noyyal River at different seasons**

**Figure 4.4 TDS of Noyyal River at different seasons**
Figure 4.5 TSS of Noyyal River at different seasons

Figure 4.6 Total Hardness of Noyyal River at different seasons
Figure 4.7 Calcium of Noyyal River at different seasons

Figure 4.8 Magnesium of Noyyal River at different seasons
Fig 4.9 Alkalinity of Noyyal River at different seasons

Figure 4.10 Chloride content of Noyyal River at different seasons
Figure 11: Sulphate content of Noyyal River at different seasons

- Summer: 55.06, 50.83
- South west monsoon: 68.4, 76.7
- North east monsoon: 36.0, 44.0
- Winter: 44.2, 44.2

Figure 12: COD of Noyyal River at different seasons

- Summer: 55.06, 50.83
- South west monsoon: 68.4, 57.6
- North east monsoon: 36.4, 44.0
- Winter: 44.2, 44.2
Figure 4.13 BOD of Noyyal River at different seasons

Figure 4.14 Nitrate content of Noyyal River at different seasons
Figure 1.5: Nitrite content of Noyyal River at different seasons.

Figure 4.16: Inorganic phosphorous content of Noyyal River at different seasons.
Figure 4.17 Sodium content of Noyyal River at different seasons

Figure 4.18 Potassium content of Noyyal River at different seasons
Figure 4.19 Silicate content of Noyyal River at different seasons

Figure 4.20 Turbidity Noyyal River at different zones
Figure 4.21 DO content of Noyyal River at different seasons

Figure 4.22 Fluoride content of Noyyal River at different seasons
Figure 4.23 Copper content of Noyyal River at different seasons

Figure 4.24 Zinc content of Noyyal River at different seasons
Figure 4.25 Temperature of bore water in and around Tirupur

Figure 4.26 pH of bore water in and around Tirupur

Figure 4.27 Electrical conductivity of bore water in and around Tirupur
Figure 4.28 TDS of bore water in and around Tirupur

Figure 4.29 TSS of bore water in and around Tirupur

Figure 4.30 Total hardness of bore water in and around Tirupur
Figure 4.31 Calcium content of bore water in and around Tirupur

Figure 4.32 Magnesium content of bore water in and around Tirupur

Figure 4.33 Alkalinity of bore water in and around Tirupur
Figure 4.34 Chloride content of bore water in and around Tirupur

- Summer
- South west monsoon
- North east monsoon
- Winter

- Non industrial zone
- Industrial zone
- Residential & Commercial zone
- Agricultural zone

Figure 4.35 Sulphate content of bore water in and around Tirupur

- Summer
- South west monsoon
- North east monsoon
- Winter

- Non industrial zone
- Industrial zone
- Residential & Commercial zone
- Agricultural zone

Figure 4.36 COD content of bore water in and around Tirupur

- Summer
- South west monsoon
- North east monsoon
- Winter

- Non industrial zone
- Industrial zone
- Residential & Commercial zone
- Agricultural zone
Figure 4.37 BOD of bore water in and around Tirupur

Figure 4.38 Nitrate content of bore water in and around Tirupur

Figure 4.39 Nitrite content of bore water in and around Tirupur
Figure 4.40 Inorganic phosphorous content of bore water in and around Tirupur

Figure 4.41 Sodium content of bore water in and around Tirupur

Figure 4.42 Potassium content of bore water in and around Tirupur
Figure 4.43 Silicate content of bore water in and around Tirupur

Figure 4.44 DO of bore water in and around Tirupur

Figure 4.45 Turbidity of bore water in and around Tirupur
Figure 4.46 Fluoride content of bore water in and around Tirupur

Figure 4.47 Copper content of bore water in and around Tirupur

Figure 4.48 Zinc content of bore water in and around Tirupur
Figure 4.49 Temperature of well water in and around Tirupur

Figure 4.50 pH of well water in and around Tirupur

Figure 4.51 Electric conductivity of well water in and around Tirupur
Figure 4.52 TDS of well water in and around Tirupur

Figure 4.53 TSS of well water in and around Tirupur

Figure 4.54 Total hardness of well water in and around Tirupur
Figure 4.55 Calcium content of well water in and around Tirupur

Figure 4.56 Magnesium content of well water in and around Tirupur

Figure 4.57 Alkalinity of well water in and around Tirupur
Figure 4.58 Chloride content of well water in and around Tirupur

Figure 4.59 Sulphate content of well water in and around Tirupur

Figure 4.60 COD of well water in and around Tirupur
Figure 4.61 BOD of well water in and around Tirupur

Figure 4.62 Nitrate content of well water in and around Tirupur

Figure 4.63 Nitrite content of well water in and around Tirupur
Figure 4.64 Inorganic phosphorous content of well water in and around Tirupur

Figure 4.65 Sodium content of well water in and around Tirupur

Figure 4.66 Potassium content of well water in and around Tirupur
Figure 4.67 Silicate content of well water in and around Tirupur.

Figure 4.68 DO content of well water in and around Tirupur.

Figure 4.69 Turbidity of well water in and around Tirupur.
Figure 4.70 Fluoride content of well water in and around Tirupur

Figure 4.71 Copper content of well water in and around Tirupur

Figure 4.72 Zinc content of well water in and around Tirupur
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SW - South West monsoon; NE - North East monsoon

Figure 4.74 pH of the soil in industrial area in four seasons

SW - South West monsoon; NE - North East monsoon
Figure 4.75 pH of the soil in residential area in four seasons

Figure 4.76 pH of the soil in agricultural area in four seasons

SW – South West monsoon; NE – North East monsoon
Fig. 4.77  N, P, K present in non industrial during summer

Fig. 4.78  N, P, K present in non industrial area during South West Monsoon

Fig. 4.79  N, P, K present in non industrial area during North East Monsoon
Fig. 4.80  N, P, K present in non industrial area during Winter

Fig. 4.81  N, P, K present in industrial area during Summer

Fig. 4.82  N, P, K present in Industrial area during South West Monsoon
Fig 4.83  N,P,K present in Industrial area during North East Monsoon

Fig 4.84  N,P,K present in Industrial area during Winter

Fig.4.85 N,P,K present in Residential & Commercial area during Summer
Fig. 4.86 N, P, K present in Residential & Commercial area during South East Monsoon

Fig. 4.87 N, P, K present in Residential & Commercial area during North East Monsoon

Fig. 4.88 N, P, K present in Residential & Commercial area during Winter
Fig 4.89 N,P,K present in Agricultural area during Summer

Fig 4.90 N,P,K present in Agricultural area during South West Monsoon

Fig 4.91 N,P,K present in Agricultural area during North East Monsoon
Fig 4.92 N, P, K present in Agriculture iduring Winter
**Figure 4.93** Micronutrient status at non-industrial area in summer

**Figure 4.94** Micronutrient status at industrial area in summer
Figure 4.94 Micronutrient status in residential and commercial area in summer

Figure 4.95 Micronutrient status in agricultural area in summer
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Figure 4.97 Micronutrients status in industrial area in South West monsoon
Micronutrients

Figure 4.98 Micronutrient status in residential and commercial area in South West monsoon

Micronutrients

Figure 4.99 Micronutrient status in agricultural area in South West monsoon
Figure 4.100 Micronutrients status in non-industrial area in summer

Figure 4.101 Micronutrients status in industrial area in South West monsoon
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Figure 4.112 SPM Concentration at Kongu Nagar
Figure 4.113 SPM Concentration at Mettupalayam

Figure 4.114 RPM Concentration at old bus stand
Figure 4.115 RPM Concentration at Palayakadu

Figure 4.116 RPM Concentration at Karuvampalayam
Figure 4.117 RPM Concentration at Kongu nagar

Figure 4.118 RPM Concentration at Mettupalayam
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Figure 4.120 SO₂ Concentration at Palayakadu
Figure 4.121 SO₂ Concentration at Karuvampalayam

Figure 4.122 SO₂ Concentration at Kongu Nagar
Figure 4.123 \( \text{SO}_2 \) Concentration at Mettupalayam

Figure 4.124 \( \text{NO}_x \) Concentration at Old Bus stand
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Figure 4.136 Night Time noise level at Mettupalayam
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