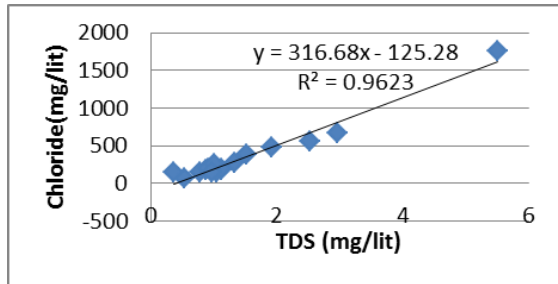
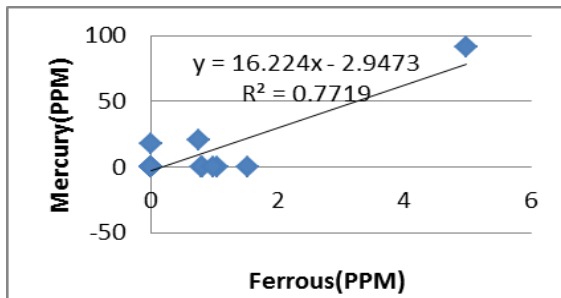


**Figure 1:** Linear plot between EC and TDS



**Figure 2:** Linear plot between TDS and Chloride



**Figure 3:** Linear plot between Ferrous and Mercury

## 6. Conclusion

It is found that the ground water quality of Sangli-Miraj-Kupwad industrial area is affected due to exceed concentration of Sodium, Chloride, Nitrate, DS and heavy metals (like Mercury, Lead, Cadmium and Arsenic) than the standard limits. The correlation results shows that EC and TDS are highly correlate with DS, Magnesium and Chloride. The regression method is shows in the form of mathematical equation between EC and TDS in fig.1, TDS and Chloride in fig.2 and Ferrous and Mercury in fig.3. After present study it is clear that the ground water in study area is not drinkable.

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