



DEPARTMENT OF CIVIL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI - 620 015, TAMIL NADU, INDIA

Phone : +91-431-2503150 (Office), Fax : +91-431-2500133 (O/o the Director), E-Mail : ee@nitt.edu

STUDENT PROJECTS

| | | |
|----------------|---|---------------------------|
| Programme | : | M.Tech. |
| Specialization | : | Environmental Engineering |
| Year | : | 2016 -18 |

| Sl. No. | Roll No. | Name of the Student | Project Title | Guide |
|---------|-----------|---------------------------|--|--------------------|
| 1. | 203416001 | Chennuru Lokesh | Numerical simulation of pollutant dispersion from a point source and its comparison with the gaussian plume model | Dr. S. Saravanan |
| 2. | 203416003 | Anathazhath Nikita Joseph | Feasibility study on the production of adsorbent from sago wastewater | Dr. S. Saravanan |
| 3. | 203416004 | Abhay Singh | Coastal aquifer vulnerability mapping for nagapattinam coast | Dr. R. Manjula |
| 4. | 203416005 | Sujeet Kishor | Experimental and Numerical study on Energy Performance of Buildings integrated with Phase change materials | Dr. S. Suresh |
| 5. | 203416006 | Shubham Sonawadiya | Oxidant assisted sonocatalytic degradation of dye from textile effluent | Dr. S.T. Ramesh |
| 6. | 203416007 | Anupriya Mishra | Enhanced organic matter removal in hybrid Ozonation - coagulation process by an organic coagulant | Dr. S.T. Ramesh |
| 7. | 203416008 | Anuradha Dey | Simultaneous recovery of electricity and purification of wastewater using Microbial Fuel Cell (MFC) inoculated with biocatalysts | Dr. R. Gandhimathi |
| 8. | 203416009 | Jismy Antony | Stabilized landfill leachate treatment system by zero valent aluminum-acid system | Dr. R. Gandhimathi |
| 9. | 203416010 | Neeraj Mech | Briquetting and carbonization of biomass for low cost fuel and production of activated carbon | Dr. S.T. Ramesh |
| 10. | 203416011 | Alphonsa C Joy | A Novel Photoelectro-Peroxone process for the Decolorization and Degradation of Reactive Azo Dye In Aqueous Solution | Dr. R. Gandhimathi |
| 11. | 203416012 | Himanshu Sharda | Optimization of water supply distribution network of J.K Nagar, Tiruchirappalli | Dr. R. Manjula |
| 12. | 203416013 | Alka K V | Removal of dyes from textile wastewater by solar photovoltaic electrocoagulation using aluminium electrodes | Dr. S.T. Ramesh |

| | | | | |
|-----|-----------|---------------------|---|--------------------|
| 13. | 203416014 | Meenu Thambi | Decolourization / degradation of dyes from textile wastewater with peroxymonosulfate oxidation catalysed by various activation methods | Dr. R. Gandhimathi |
| 14. | 203416015 | Giri Sankar G | Comparative studies of Cross-Linked Fe (III)-Chitosan Complex as an Adsorbent for Removal of Harmful Elements (Chromium (VI) and Perchlorate) | Dr. S. Jayalekshmi |
| 15. | 203416016 | Anjali | Green synthesis of zinc oxide nanoparticles and its application in wastewater treatment | Dr. R. Gandhimathi |
| 16. | 203416017 | Guduguntla Sukanya | Hybrid electrocoagulation / Electroflotation / electrodisinfection for the treatment of wastewater | Dr. S.T. Ramesh |
| 17. | 203416018 | Mohit Aggarwal | Site suitability analysis for construction of artificial groundwater recharge structures using multi criteria analysis and GIS | Dr. S. Saravanan |
| 18. | 203416019 | Nidhi John | Studies on biosorptive capacity of marine resources and its application in treatment of wastewater from textile industry | Dr. S. Saravanan |
| 19. | 203416020 | Karthikeyan M | Polyhydroxyalkanoates production from electrocoagulated bilge water using sequential batch reactor system | Dr. R. Gandhimathi |
| 20. | 203416022 | Deepak Kumar Mandal | Lead removal by adsorption using Low cost carbonaceous Materials – Eggshell Powder and Marble Powder | Dr. R. Manjula |
| 21. | 203416023 | Shashank | Evaluation of coagulation behavior of chitosan with different Al species as dual-coagulants in dye wastewater treatment | Dr. S.T. Ramesh |
| 22. | 203416024 | Akhila A Rahim | Simulation of vehicular pollution in Kollam city by using the operational street pollution model | Dr. S. Jayalekshmi |
| 23. | 203416025 | Syed.Ateeq | Water harvesting from atmosphere through vapour compression system | Dr. S. Suresh |
| 24. | 203416026 | Preethi V | Removal of organics from crude vegetable oil refinery wastewater by electrocoagulation | Dr. S.T. Ramesh |