

## 2013-14

<b>Title of Thesis</b>	<b>Name of Student</b>	<b>Faculty Advisor</b>
Enhancement of biogas production in domestic bio gas plants	Ijaz Naseer	Dr. V. Meera
Production of bio-diesel from dairy waste scum	Rahees K	Dr. V. Meera
Performance Evaluation of Water Distribution system by conducting water Audit of Distribution network Analysis using “PIPE 2012”	Babu K V	Prof. K.J. Sosamony
Treatment of Textile water using MBBR after Fenton Treatment	Dibina N P	Prof. K.J. Sosamony
A comparative study of Electro Fenton process and Fluidized Fenton process for the treatment of Textile Wastewater	Sruthy K	Prof. K.J. Sosamony
Quantification of Carbon foot print of an arts and science college and a Professional college	Vidhusha K. T.	Prof. Bindu G
Investigation of pesticide removal by Activated Carbon Adsorption technique	Eby Varghese	Prof. Anand Lali Neera
Performance Evaluation of Improved Septic tank for Domestic wastewater treatment	Sanya C S	Prof. Anand Lali Neera
Silver impregnated sand filter for Septic tank effluent treatment	Sujitha S	Prof. Anand Lali Neera
Study on treatment of rubber processing effluent using Pseudomonas Fluorescence and Bacillus sattilis	Meenu George	Prof. Meena John M

<b>Title of Thesis</b>	<b>Name of Student</b>	<b>Faculty Advisor</b>
Grey water treatment using Vermifiltration	Sreelakshmy K	Prof. Meena John M
A Study on phenol removal from aqueous solution by 3biodegradation using Saccharomyces Cervaesia & Pseudomonas Fluroescence processing effluent using Pseudomonas Fluroescence and Bacillus sattilis	Suramya P M	Prof. Meena John M
A comparative Study of Electrofenton process and Photo Electron Fenton process for the treatment of landfill leachate	Aswini V C	Prof. MinimolPieus T
A comparative Study of External membrane bio reactor and Sequencing Batch process for the treatment of landfill leachate	Angelin Joseph	Prof. MinimolPieus T
Removal of Methylene blue from aqueous solution using orange peel powder and neem leaf powder a comparative study	Preenymol K	Prof. Bindu G

## 2014-15

<b>Title of Thesis</b>	<b>Name of Student</b>	<b>Faculty Advisor</b>
Effect of controlled release of N <sub>2</sub> - fertilizer on methane emission from paddy field soil ad Quantification of carbon foot print of a Paddy field	Anitha K	Prof. Bindu G
Greywater treatment by drawer compacted sand filter with silver coated sand	Bessy John	Prof. Bindu G
Treatment of Pre-treated Textile wastewater using moving bed bio film reactor	Anju Francis Kannikkatt	Prof. Sosamony K J
Hybrid Neural network for Air quality modelling	Bhavya C	Prof. Bindu A.G.
Closed retting of Coconut husk using Anaerobic baffled reactor	Dinesh K S	Dr.Subaida E A
Green synthesis of Ag Nano particles coated and evaluation of their Anti-microbial property in the treatment of Harvested rainwater from concrete roof	Farhana M	Dr.MeeraV
Study on suitability of black cotton soil and red earth as liner material for the removal of acidic and basic Pb(II) solutions	Hasna Ahamed	Prof. Bindu G
Treatment system for the domestic wastewater of Palakkad	J Arthur Xavier	Prof. Meena John M

Municipality		
Hybrid filter for the treatment of Septic effluent	Mithun B	Prof. AnandLali Neera
Modified Septic tank treatment system	Rrtu Anil	Prof. Anand Lali Neera
Treatment of landfill leachate by combination of advanced oxidation process and membrane bio reactor	Nivya T K	Prof. Minimol Pieus T
Synthesis of Iron Oxide /hydroxide Nano particles coated and their performance evaluation in removing heavy metals from roof top rainwater	Raiza Rasheed	Dr.MeeraV
A comparative study on the photocatalytic degradation of textile wastewater using a doped and undoped photocatalysts	Rakhi Ravendran	Bindu A G
A comparative study of photo fenton process, fluidized bed fenton process and their modifications for textile wastewater treatment	Sreeja P H	Prof. Sosamony K J
Ethanol production from waste potato and tapioca and analysis as a biofuel	SreejithP R	Prof. Bindu A G
Simulation and redesign of water supply system at Kunnamkulam Municipality	Surendran E N	Prof. Minimol Pieus
Design and optimized implementation schedule of water supply scheme for Karalam Panchayath in Thrissur municipality	Suresh P K	Prof. Meena John M

## 2015-16

<b>Title of Thesis</b>	<b>Name of Student</b>	<b>Faculty Advisor</b>
Treatment of pulp and paper mill effluent by anaerobic treatment followed by chemical coagulation	Amal V A	Prof. Bindu A G
Hydraulic Performance analysis and modeling of water supply distribution system to Kochi city	Deepa Paul	Prof. Bindu A G
Drinking water by condensation of atmospheric water vapour using different materials	Anandu J M	Prof. Meenajohn
Recovery and Reuse of Alum from textile wastewater treatment plant studies	Charutha C S	Prof. Meena John
Treatment of Fertilizer Industry effluent by using vetiver technology	Rabeeah Rasheed	Prof. Meena John
Treatment for pretreated landfill leachate by membrane bioreactor and electro fenton process	Anisha Suresh	Prof. Minimol Pieus T
Landfill leachate treatment using electro coagulation followed by MBBR technique	Husna K P	Prof. Minimol Pieus T

Electrocoagulation integrated MBR process for the treatment of Rice mill effluent	Suchitra V	Prof. Minimol Pieus T
A parametric study on carbon dioxide capture using solvents MEA and MDEA	Aswathy Sureshan	Prof. Bindu G
Removal of Pb and Cd from soil using sunflower and Marigold plant	Betsy M V	Prof. Bindu G
Optimization of parameters for the synthesis of FeO nano particles and their performance evaluation in removing heavy metals from roof top harvested rainwater	Dilna Cherian R	Dr.MeeraV.
Treatment of Quinaphos contaminated pond water by Chlamydomonas and Chlorella species	K M Usha	Dr.MeeraV.
Iron removal from drinking water sources by advanced oxidation and microfiltration	Lakshmy A. Kumar	Dr.MeeraV.
Ag modified cost effective filter materials for the removal of E-coli and Listeria from groundwater	Revathy N M	Prof. AnandLaliNeera
Decolourization (dye Removal) of textile wastewater by using cellulose nanofibres	Sabna Thomas B L	Prof. AnandLaliNeera
Extraction of heavymetals from artificially contaminated soil using different chelating agents	Dilsha A D	Prof. AnandLaliNeera

Feasibility of bio hydrogen production from Ayurvedic pharmaceutical waste water by dark fermentation	Jaseena K A	Prof. Sosamony K J
Treatment of textile wastewater using solar photo fenton and MBBR with magnetic field	Prajisha J P	Prof. Sosamony K J
Modeling the distribution Network of a rural water supply scheme using WATERGEMS	Vijumohan K R	Prof. Sosamony K J

## 2016-17

<b>Title of Thesis</b>	<b>Name of Student</b>	<b>Faculty Advisor</b>
Treatment of dairy wastewater using AFMBR	Jyothi C S	Prof. Bindu A G
Integrated oxidation and MBR for landfill leachate	Sreelakshmy	Prof. Minimol Pieus
Water disinfection using UV-A and visible LEDs	Ganapathy C S	Prof. Minimol Pieus
Optimization of chlorine dosage for water supply scheme in Kochi	Liny Francis	Prof. Anand Lali Neera
Treatment of greywater using hydroponics	Nayanathara O S	Prof. Bindu A G
Improving desalination capacity of microbial desalination cell	Anila A	Prof. Bindu G
Treatment of textile wastewater using heterogeneous Fenton microfiltration	Anitha V M	Prof. Sosamony K J
Assessment of natural coagulants in turbidity removal and comparison with alum. Process development and optimization using statistical analysis	Arya Balakrishnan	Prof. Anand Lali Neera
Evaluation of crushed rock sand as filter media material agent silica	Gireesh Kumar	Prof. Sosamony K J



sand.		
Comparative study of electrocoagulation and electrofenton as pretreatment for ayurvedic pharmaceutical wastewater.	Harshananda T N	Prof. Anand Lali Neera
Electrocoagulation of industrial effluent using steel and copper electrodes	Hasna Kalathil	Prof. Meena John
Removal of microorganisms from roof harvested rainwater by nanosilver impregnated activated carbon	Jabna K K	Dr.Meera V
A comparative study of electrolysis and biochar aided anaerobic digestion for enhancing methane production from rice husk effluent.	Karthika N	Prof. Bindu A G
Chitosan thin film polysulfone nanocomposite membrane for removal of nitrate and phosphate from fertilizer waste	Krishnaveni	Dr.MeeraV
Pretreatment of dairy wastewater using bio polymeric flocculant extracted from fruit waste	Shabna Banu A M	Prof. Meena John
Analysis of potential impacts of soft drink industry	Silpa Mohan	Prof. Bindu G
Feasibility study of silica based biochar for removal of nitrate and phosphate from fertilizer industry wastewater	Sneha Suresh	Prof. Bindu G