

## Year 2015

No.	Project	Project Leader	Grant	Duration	Amount Approved (RM)
1.	Struvite precipitation for ammonium nitrogen recovery from landfill leachate	Prof. Dr. Azmi Aris	RUG UTM	15/11/2015 - 14/11/2017	50,000.00
2.	Assessment of the flood aftermath of water and wastewater utility assets towards developing flood resilience system	Prof. Dr. Azmi Aris	MOHE	1/4/2015 - 31/12/2015	66,770.00
3.	Evaluation the availability of nutrients in sewage sludge for plant growth enhance with magnetic fields	Assoc. Prof. Dr. Johan Sohaili	RUG UTM	15/11/2015 - 14/11/2017	50,000.00
4.	Development of baseline data on sludge bulking in selected sewage treatment systems	Assoc. Prof. Dr. Khalida Muda	RUG UTM	15/11/2015 - 14/11/2017	50,000.00
5.	Mass transfer and bioaccumulation of inorganic and organic matters from palm oil mill effluent (POME) by a sequencing anaerobic-aerobic process	Assoc. Prof. Dr. Mohamad Ali Fulazzaky	RUG UTM	15/11/2015 - 14/11/2017	49,500.00
6.	Evaluation on the effectiveness of diatomite as a medium for biological growth in treatment using sludge blanket technique	Prof. Ir. Dr. Azraai Kassim	RUG UTM	22/5/2015 - 31/3/2018	100,000.00
7.	Micro-bioreactor systems containing various palm-based materials (PBMS) in palm oil mill effluent (POME) treatment	Prof. Ir. Dr. Azraai Kassim	UTM	1/5/2015 - 31/10/2016	26,000.00
8.	Seasonal influence on river water quality status in tropical country	Assoc. Prof. Dr. Mohd IsmidMd Said	UTM	1/5/2015 - 31/7/2016	20,000.00
9.	Treatment of poultry slaughterhouse wastewater using integrated anaerobic/aerobic sequencing batch reactor	Prof. Dr. Mohd Razman Salim	UTM	1/5/2015 - 31/10/2016	50,000.00
10.	Evaluation of risk and abatement measures in flood disaster impacted area for sustainable waste management	Prof. Dr. Mohd Razman Salim	MOHE	1/4/2015 - 31/12/2015	114,070.000
11.	An exploratory study of river water treatment using different adsorbents for the removal of recalcitrant organic compounds nutrient	Assoc. Prof. Ir. Dr. Mohd Fadhill Md Din	UTM	1/5/2015 - 31/10/2016	50,000.00

12.	Pagoh Project: Conversion of domestic sludge to organic fertilizer using sub-critical water reactor (SCWR)	Assoc. Prof. Dr. Muhamad Ali Muhammad Yuzir	MOE	1/8/2015 - 31/7/2017	100,000.00
13.	Biodegradation of volatile organic carbons (VOCs) using immobilized yeast strain and activated sludge in a fluidized bed bioreactor	Assoc. Prof. Dr. Muhamad Ali Muhammad Yuzir	MOE	2/11/2015 - 1/11/2017	82,152.00
14.	Enhancement of methane production at Sedenak biogas plant	Assoc. Prof. Dr. Muhamad Ali Muhammad Yuzir	UTM	1/5/2015 - 31/10/2016	50,000.00
15.	Evaluation of flood disaster impacted on water quality and aquatic habitat in water environment	Dr. Salmiati	MOE	1/4/2015 - 31/12/2015	113,700.00
16.	Effect of heavy metal and nutrients on fisheries and aquaculture in Johor Straits	Dr. Shamila Azman	RUG UTM	15/11/2015-14/11/2017	50,000.00
17.	Developing emergency evacuation kits in response to flood disaster by applying a DPSIR framework	Dr. Shazwin Mat Taib	MOHE	1/4/2015 - 31/12/2015	62,000.00
18.	Characterization of resin extracted from cactus (opuntia ficusindica) as natural coagulant for water purification	Dr. Tony Hadibarata	RUG UTM	1/5/2015 - 31/10/2016	49,985.00
19.	New emerging pollutants detection and their removal from wastewater using nano ozonation process	Dr. Yong Ee Ling	MOE	1/1/2015 - 31/12/2016	165,000.00
20.	Solvent extraction of alumina and silica from water treatment sludge as heat reflective agent	Assoc. Prof. Ir. Dr. Mohd Fadhil Md Din	Japan International Cooperation Agency (JICA)	1/10/2015 - 31/3/2017	4,073.00
21.	Thermal behavior of eco-aerated concrete from agro-industrial waste as innovative cool building wall components	Assoc. Prof. Ir. Dr. Mohd Fadhil Md Din	JICA	1/5/2015 - 30/4/2017	173, 358.00
22.	Cellulytic enzymes from agro-waste as cement composites for cool island building	Assoc. Prof. Ir. Dr. Mohd Fadhil Md Din	JICA	1/4/2015 - 31/3/2017	16,200.00