

Anil Kumar Sah

Experience in Taiwan

1.1 Soil and water conservation

We are completed our first semester 14 credit course in the Green technology for sustainability and TEEP sholarship has ended too. First, I am very grateful to avail this scholarship for me to experience the taiwan's education, unfortunately there were a little bit adjustment to do however it was already given especially for us, foreigners so be it. I'm taking up Master Degree in Nanhua University in a department of Green technology for Sustainability under the professor Hong miang ,professor chen and dean of the our department professor chen bu chen. We are first batch of the our department for the green technology for sustainability , we are learnt so many things related to our subject and done so many experiment like sieve analysis ,standard Procter test , coefficient of permeability(K) and shear test.

- (a) Sieve analysis: In this experiment we are taken different type of soil at a different place and find the grade of soil by flow ASTM code.
- (b) Standard Procter test: In this test we are find the optimum moister content (OMC) and maximum dry density (MDD) for the same sample.
- (c) Coefficient of permeability : In this test we are find out coefficient of the permeability of the soil(k),its means how much water passing through the soil samples at a particular time period.
- (d) Shear test: In this test we are find out the shear parameter (C and Φ) value of the soil sample.

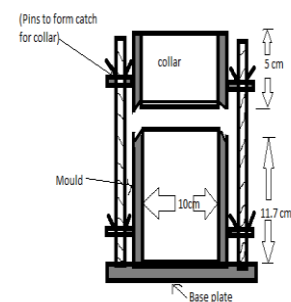


Fig: (Proctor mould with full dimensions)



1.2 permeable pavements

Permeable pavements are a relatively new technology and have quite different objectives and design requirements to conventional pavements. They can be used as an alternative to conventional impervious hard surfaces, such as roads, car parks, footpaths and pedestrian areas. Permeable pavements are specifically designed to promote the infiltration of storm water through the paving and structure where it is filtered through the various pavement layers. The filtered storm water is then either harvested for later reuse or released slowly into the underlying soil or storm water drainage system. This results in many storm water management and environmental benefits. The most common type of permeable pavement is the permeable interlocking concrete paving (PICP) system shown



Fig(c) permeable pavement cell

In this subject we are study about the permeable pavement infiltration rate, storage volume relationship, artificial rainfall, inflow and outflow rate of the permeable pavement as shown the figure



Fig (d) Double-Ring and single ring Infiltrometer of 20-40cm diameter of ring

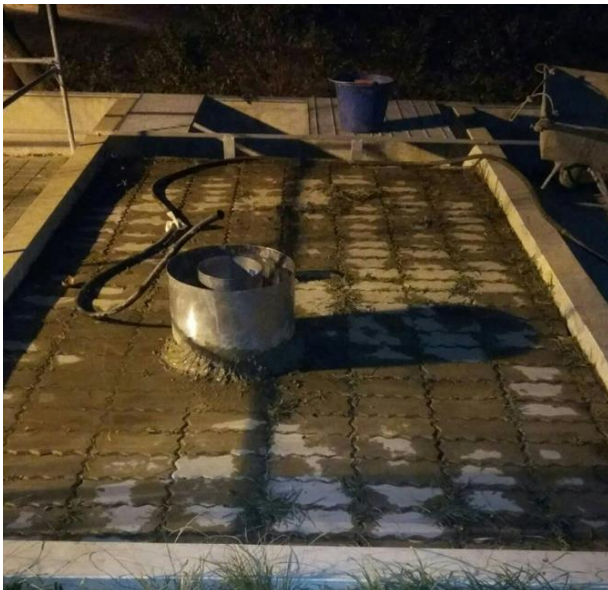


Fig (d) setup of the double ring experiment

Fig (e) setup of the artificial rainfall

All these experiment we are completed under the professor Hong (head of the department) by using some special high level equipment and got positive result.

It's been a great privilege for us to learn about the bees and black soldier fly and of course about the circular economy also. We were exposed to speak in front because

there were always a reporting with that we boost our confidence or level up our stage presence.



Fig(f) My first encounter with the “perfect insect”, Bees.

2.1 Conference

It was october 21-22 2018 when we had our first international conference. The 2nd SDGT international Conference 2018. We had the chance to listen and to learn about the studies of the presentors came from different countries. Indeed, it was great experienced. Thanks to professor Hong!



Fig(g) Lesion of the expert lecture at sdgt conference

3.1 Industrial visit in Taiwan

The main purpose of the industrial visit is, we learnt so many things and gain some field experience and see the real construction work.



Fig(f) city bear



fig(h) Gold- Joint industry

4.1 Corporate Social Responsibility (CSR)

CSR aims to ensure that companies conduct their business in a way that is ethical. This means taking account of their social, economic and environmental impact, and consideration of human rights. It can involve a range of activities such as: Working in **partnership** with local communities. In the corporate social responsibility (CSR) we represent the team of snowball.



Fig (i) CSR 2018

5.1 Taiwan tour

Taiwan is the best when it comes to Technology, food, people and sceneries too. I like the breeze of the air, the green environment, infrastructure and many more. I am always grateful of being part of this scholarship program without this I haven't experienced the beauty of Taiwan. Last December 16, 2018 we had a tour in Sea Go and Alishan Mountain. It was a two days trip. After with all the reports and hectic schedule we had a time for chilling out and relaxed even in a moment. We had so much fun together with Green technology family! Thanks to government of Taiwan for sponsoring us as well to those people behind this event.



Fig (j) Green Technology department at the sea beach

6.1 Alishan Mountain trip

The area is popular with tourists and mountain climbers. Alishan, itself has become one of the major landmarks associated with Taiwan. The area is famous for its production of high mountain tea and wasabi. Alishan is well known for its sunrises, and on a suitable morning one can observe the sun come up on a sea of clouds in the area between Alishan and Yushan.



Fig(k) learning for how to measure the butterfly

7.1 Conclusion

Taiwan's experienced education program (TEEP) brought me an experienced nothing can compare with, with all those learning are that. I have learned and with all those the knowledge. I have earned and with all those moment are cannot be paid. I could not say that it is the best among the best but one of the best. So, I would like to give thanks and appreciation to professor Hong and Taiwan Government who is always supporting us and behind this scholarship program. Thank you!