

APRIL - JUNE 2021 | ISSUE 8

The Dental Mirror

FACULTY OF DENTISTRY
MAHSA UNIVERSITY

The Editor's Corner

BY JANNAH

Welcome to the 8th issue of the Faculty of Dentistry newsletter. I am delighted to welcome Dr Yeannie Yap, Dr Ooi Der Jiun and Dr Ooi Chai Theam onboard the newsletter team.

Early June this year, Malaysia once again enters 'Total Lockdown' as Covid-19 cases and death increase at an alarming rate. My only hope is that you are doing your part as a responsible citizen and "stay at home" – the catchphrase of the year.

Working at home might seem like a nice perk at first, but those not used to it will soon find themselves spiraling. During times like these, it is good to stick to your regular day-to-day routine. Work during your official working hours and be sure to take small breaks now and then to walk around.

Due to the pandemic situation, all the faculty activities have been done online. Inside this issue, we cover from recognition and honors to expressing creativity. Happy reading!

If you would like to be featured, or have an update that you think would be beneficial to our faculty readers, please email to Pn Jannah at nuruljannah@mahsa.edu.my.

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Editorial board

Pn Nuruljannah bt Nor Azmi
Dr Yeannie Yap
Dr Ooi Der Jiun
Dr Ooi Chai Theam

Advisory board

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AP Dr Kranthi Kaja Kacharaju
AP Dr Prathap Chandar
Manivannan

CONGRATULATIONS



Dr Sulagna Dutta

Department of Oral Biology and Biomedical Sciences

Dr Sulagna Dutta has been listed in the US-based prestigious Stanford University's Top 2% Scientists in the World in 2020 as being one of the most cited scientists in a large range of disciplines. This list was created by analysing a group of over 150,000 scientists from 22 scientific fields and 176 subfields.

Dr Dutta's core research interests are Immunology and Reproductive Physiology. Up to date, Dr Dutta has published more than 75 research articles and book chapters with h-index of 19. She has also been ranked 3rd as Malaysia's Male Infertility Expert in 2010. You Go Girl!

CONGRATULATIONS

Vice Chancellor's Prize



Dato' Dr Khor Choo Pang

Master of Orofacial Sciences

"It was the best learning experience in my life. The facilities were great and the academic as well as the administrative staffs were very accommodating and supportive. Excellent!"



Dr Ng Khai Ling

Doctor of Dental Surgery

"Five years of studying dentistry seem to be a very long journey but spending it at MAHSA University has made it so much enjoyable. The well-equipped labs and clinics have provided us with a conducive learning environment for hands-on learning sessions, allowing us to put all the theoretical knowledge learnt into practice. I have gained a lot of guidances and advice from the experienced and resourceful lecturers here"



Ms Esther Ong En Qin

Diploma of Dental Technology

"Thank you to my lecturers, family and friends whom guided and supported me throughout this course. I am honored to receive this award. My advice, Don't be afraid to ask!"



Ms Wong Poh Sin

Diploma of Dental Technology

"I couldn't thank my lecturers more in MAHSA for preparing me well to face different challenges in work as a dental technician in private practice."

WEBINAR | LIVE TALK

APRIL - JUNE 2021

1 APRIL

EXOSOMES IN WOUND HEALING

Speaker: Dr Liew Fong Fong

20 MAY

NANOCELLULOSE, A VERSATILE GREEN MATERIAL WITH HUGE APPLICATIONS

Speaker: Ts. Dr Muhammad Fareez Ismail

27 MAY

MINOR ORAL SURGERY

Moderator: AP Dr Padmanabha Kumar

28 MAY

RESILIENCE IN DENTAL EDUCATION

Speaker: AP Dr Ravikanth H. Jujare

25 JUNE

MY DDSA JOURNEY

Speaker: Pn Faridah Ahmad Hatta

29 JUNE

ANTHROPOMETRY IN PREDICTING SOME DISEASES: DOES YOUR MEASURING TAPE TALK ABOUT YOU?

Speaker: Dr Sulagna Dutta

Welcome to

MAHSA University Dental Students' Research Colloquium 2021 (MDSRC 2021)



Aim: MDSRC 2021 aims to encourage MAHSA Dental students to share an insight into research, recent advances, and cutting-edge technologies in dentistry.

General Description:

The MAHSA University Dental Students' Research Colloquium 2021 (MDSRC 2021) is an annual event organized by the Faculty of Dentistry, MAHSA University. Research is pivotal for the advancement of any profession and for Dentistry, research is crucial to lead its members to achieve greater heights. MDSRC 2021 aims to promote research culture and encourage the Dental students to share an insight into research, recent advances and cutting-edge technologies in dentistry. Our theme for this year is "Empowering Knowledge, Unveiling New Horizon".

Date: 8th July 2021 (Thursday)

Time: 8:00am - 5:00pm

Platform: Zoom and Live YouTube Broadcast

Organizing Committee:

Advisors: Prof. Dr. Rosnah binti Mohd Zain & AP Dr. Kranthi Raja Kacharaju

Chair: Dr. Ooi Der Jiun

Secretary: Madam Nuruljannah binti Nor Azmi

Treasurer: Dr. Joan Lim Zhi Yin

Scientific Chair: AP Dr. Shilpa Gunjal

Scientific co-chair: AP Dr. Aied Mohammed

Design & Publication Chair: Dr. Muhamad Fareez bin Ismail

Registration Chair: Dr. Rola Ali Saeed Al-Shargabi

Sponsorship Chair: Dr. Joan Lim Zhi Yin

Logistic Chair: Dr. Mahmood Alayham Abbas

Technical Chair: Dr. Raghavendra Penukonda

Food and Refreshment Chair: Dr. N. Nilofer Nisha

8.00am-8.30am	REGISTRATION
8.30am-8.35am	WELCOMING REMARK
8.35am-8.45am	OPENING ADDRESS
8.45am-9.45am	ORAL PRESENTATION – POSTGRADUATE (4 PAX; 10 MIN PRESENTATION + 5 MIN Q&A)
9.45am-10.05am	POSTER PRESENTATION – POSTGRADUATE (2 PAX; 5 MIN PRESENTATION + 5 MIN Q&A)
10.05am-10.20am	MORNING BREAK
10.20am-12.00pm	POSTER PRESENTATION – UNDERGRADUATE (12 GROUPS; 5 MIN PRESENTATION + 3 MIN Q&A)
12.00pm-1.00pm	LUNCH
1.00pm-3.00pm	ORAL PRESENTATION – UNDERGRADUATE (8 GROUPS; 8 MIN PRESENTATION + 5 MIN Q&A)
3.00pm-3.15pm	BREAK
3.15pm-4.15pm	ORAL PRESENTATION – UNDERGRADUATE (4 GROUPS; 8 MIN PRESENTATION + 5 MIN Q&A)
4.15pm-4.25pm	SPONSORED TALK 1
4.25pm-4.35pm	SPONSORED TALK 2
4.35pm-4.45pm	QUIZ
4.45pm-5.00pm	CLOSING CEREMONY & LUCKY DRAW

RESEARCH AND PUBLICATIONS

as of 30th June 2021

Journal Papers

- 1.Ahmed, H., Ibrahim, N., Mohamad, N., Nambiar, P., Muhammad, R., Yusoff, M., & Dummer, P. (2021). Application of a new system for classifying root and canal anatomy in studies involving micro-computed tomography and cone beam computed tomography–Explanation and elaboration. *Int Endod J*.
- 2.Al-Haddad, A. Y., Kacharaju, K. R., Haw, L. Y., Yee, T. C., Rajantheran, K., Mun, C. S., & Ismail, M. F. (2020). Effect of Intracanal Medicaments on the Bond Strength of Bioceramic Root Filling Materials to Oval Canals. *The Journal of Contemporary Dental Practice*, 21(11), 1219.
- 3.Haque, N., Widera, D., Govindasamy, V., Soesilawati, P., & NH, A. K. (2021). Extracellular Vesicles from Stem and Progenitor Cells for Cell-Free Regenerative Therapy. *Curr Mol Med*.
- 4.Mamat Razali, N. A., Ismail, M. F., & Abdul Aziz, F. (2021). Characterization of nanocellulose from Indica rice straw as reinforcing agent in epoxy-based nanocomposites. *Polymer Engineering & Science*.
- 5.Pateel, D. G. S., Gunjal, S., Fong, L. F., & Hanapi, N. S. M. (2021). Association of Salivary Statherin, Calcium, and Proline-Rich Proteins on Oral Hygiene: A Cross-Sectional Study. *International Journal of Dentistry*, 2021.
- 6.Lin, G. S. S., Ghani, N. R. N. A., Ismail, N. H., Singbal, K., Noorani, T. Y., & Mamat, N. (2021). New experimental zirconia-reinforced rice husk nanohybrid composite and the outcome of its surface roughness and microhardness in comparison with commercialized nanofilled and microhybrid composite resins. *Contemp Clin Dent*, 12(1), 21.
- 7.Rai, R. U., & Singbal, K. P. (2021). Comparative evaluation of the effect of diode laser bleaching and led activated bleaching against chemical bleaching on color and micro leakage of class 5 restoration with nano hybrid composites an in vitro study. *International Journal of Applied Dental Sciences*, 7(1), 3.
- 8.Rai, R. U., Singbal, K. P., & Sharma, Y. (2021). Morphometric analysis of cleaning efficacy of ProTaper NEXT and Lightspeed LSX rotary system. *International Journal of Applied Dental Sciences*, 7(1), 3.

RESEARCH AND PUBLICATIONS

as of 30th June 2021

Journal Papers

- 9.Sharifonnasabi, F., Jhanjhi, N. Z., John, J., Alaboudi, A., & Nambiar, P. (2020). A Review on Automated Bone Age Measurement Based on Dental OPG Images. International Journal of Engineering Research and Technology, 13(12), 13.
- 10.Liew, F. F., Chew, B. C., & Ooi, J. (2021). Wound Healing Properties of Exosomes-A Review and Modelling of Combinatorial Analysis Strategies. Curr Mol Med.
- 11.Haron, N., Rajendran, S., Kallarakkal, T. G., Zain, R. B., Ramanathan, A., Abraham, M. T., . . . Mohamed Azahar, F. A. (2021). High Referral Accuracy for Oral Cancers and Oral Potentially Malignant Disorders using Telemedicine. Oral Dis.
- 12.Agarwal, A., Leisegang, K., Panner Selvam, M. K., Durairajanayagam, D., Barbarosie, C., Finelli, R., . . . Pushparaj, P. N. (2021). An online educational model in andrology for student training in the art of scientific writing in the COVID-19 pandemic. Andrologia, 53(3), e13961.
- 13.Alahmar, A. T., Calogero, A. E., Singh, R., Cannarella, R., Sengupta, P., & Dutta, S. (2021). Coenzyme Q10, oxidative stress, and male infertility: A review. Clinical and experimental reproductive medicine, 48(2), 97.
- 14.Alahmar, A. T., Sengupta, P., Dutta, S., & Calogero, A. E. (2021). Coenzyme Q10, oxidative stress markers, and sperm DNA damage in men with idiopathic oligoasthenoteratospermia. Clinical and experimental reproductive medicine, 48(2), 150.
- 15.Bhattacharya, K., Sengupta, P., Dutta, S., Chaudhuri, P., Mukhopadhyay, L. D., & Syamal, A. K. (2021). Waist-to-height ratio and BMI as predictive markers for insulin resistance in women with PCOS in Kolkata, India. Endocrine, 72(1), 86-95.
- 16.Dutta, S., Henkel, R., & Agarwal, A. (2021). Comparative analysis of tests used to assess sperm chromatin integrity and DNA fragmentation. Andrologia, 53(2), e13718.

RESEARCH AND PUBLICATIONS

as of 30th June 2021

Journal Papers

17. Dutta, S., & Sengupta, P. (2021). SARS-CoV-2 and male infertility: possible multifaceted pathology. *Reprod Sci*, 28(1), 23-26.
18. Leisegang, K., & Dutta, S. (2021). Do lifestyle practices impede male fertility? *Andrologia*, 53(1), e13595.
19. Roychoudhury, S., Das, A., Sengupta, P., Dutta, S., Roychoudhury, S., Kolesarova, A., . . . Slama, P. (2021). Viral pandemics of twenty-first century. *Journal of microbiology, biotechnology and food sciences*, 10(4), 711-716.
20. Sengupta, P., & Dutta, S. (2021). COVID-19 and hypogonadism: secondary immune responses rule-over endocrine mechanisms. *Human Fertility*, 1-6.
21. Wong, Y.-L., Ramanathan, A., Yuen, K. M., Wan Mustafa, W. M., Abraham, M. T., Tay, K. K., . . . Chen, Y. (2021). Comparative sera proteomics analysis of differentially expressed proteins in oral squamous cell carcinoma. *PeerJ*.

Chapter of Book

1. Fareez, I. M., Jasni, A. H., & Norrrahim, M. N. F. (2021). Nanofibrillated Cellulose Based Bio-phenolic Composites Phenolic Polymers Based Composite Materials (pp. 139-151): Springer
2. Fareez, I. M., Ooi, D. J., & Wu, Y. S. (2021). Nanocellulose: Chemical, Thermal and Optical Properties In D. Kumar (Ed.), *Nanocellulose and Its Composites for Water Treatment Applications* (Illustrated ed.): CRC Press



A Wired Afternoon Game

The DSS Night is a yearly event where students from all dentistry batches can get together, play games, have fun whilst making meaningful friendships and memories. However, due to the pandemic situation, students twisted the event out of their creativity into virtual activities.

The event was held on the 1st of May 2021, at 2:00 pm, through online platform Google Meet. The event started with a welcoming speech from the president of Dental Students' Society 2020/21, Samantha Idang. All participants required to introduce themselves prior to the game session. The outline of the event was explained to the

participants. Then, the participants were assigned to different teams in which a total of 13 participants were divided into three teams of 4, 4, and 5. Each team was given a thousand coins at the start of the game. After each round, there will be coin reduction for the teams that were ranked second and last.

Quizzies

The game started with "Quizzies" which was divided into 5 categories with 3 questions each. The participant that gets the correct answer fastest wins that round and they gain a point for the team that they were assigned to. The categories that were included in this round were mother nature, science, fun facts, spelling bee and food.

"The pain you feel today is the strength you will feel tomorrow. For every challenge encountered there is opportunity for growth"



What's in My House

There were 5 rounds in total where each person from each team had to volunteer for each round. In this game, the name of an object was displayed on the slides where the participant had to find similar or the same item from their room or house and show it to the camera. The participant that shows the item fastest wins that round and gains a point to the team.

Scattergories

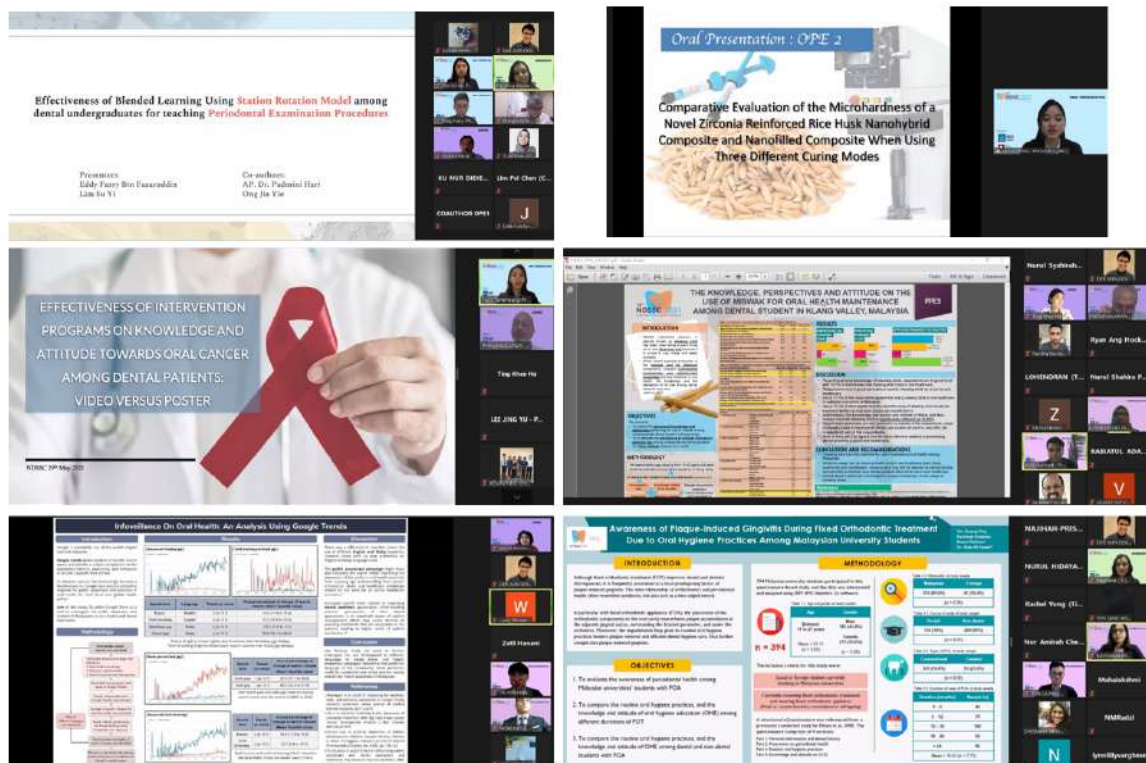
Participants were given a letter and 3 categories. They need to come up with a word that starts with the given letter for respective categories. The players that get the most unique answer won that round with 5 rounds in total.

What am I?

This game also had 5 rounds in total which gives the opportunity for all the participants in each team. Moreover, this round was open to all the participants. In this round, descriptive clues were shown on the slides where the participants had to guess the correct answer, and the person that guesses the correct answer wins that round.

After all the game sessions ended, the marks were calculated and the team with the most coins left, which is team A won. Goodies bags will be given to the winner. The event ended with a photo session with all the participants, organizers, and the CEC members.

MAHSA Dental Students' Participation



On 29th May 2021, 6 teams of MAHSA Dental students represented MAHSA University to participate in the National Dental Students' Scientific Conference (NDSSC) 2021. With the theme "Inspiring Tomorrow's Dentist", it is the very first time the event was conducted virtually due to the pandemic situation. During the event, the students presented their research findings that served to ensure evidence-based dynamism for the dental profession. Essentially, it is research that will enhance our understanding and create new knowledge to tackle the most important opportunities and challenges in dentistry.



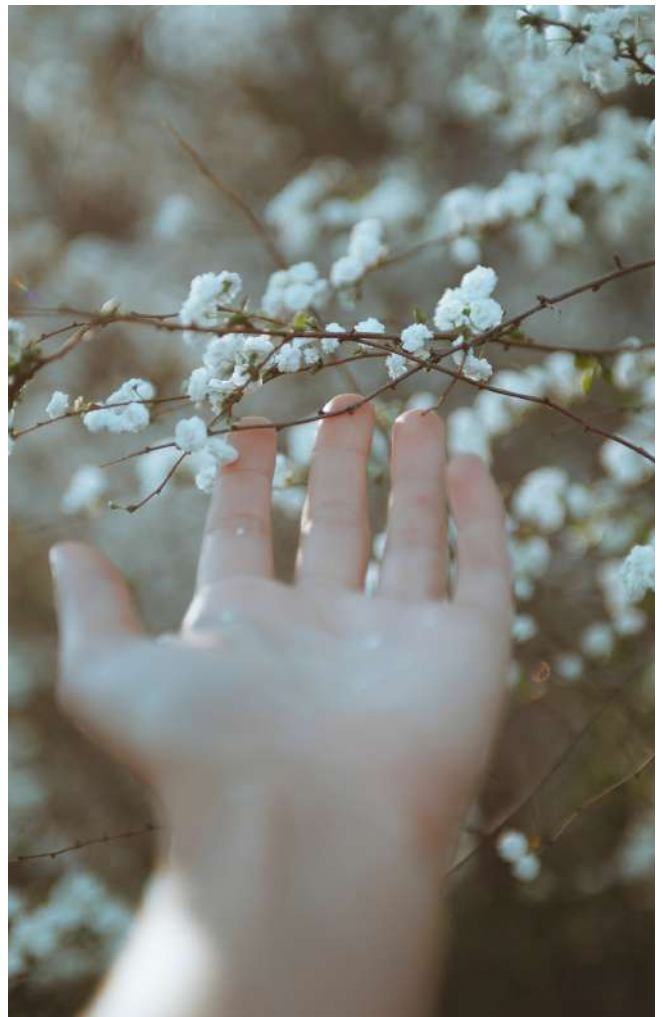
WELCOME TO **THE CREATIVE CORNER**

Welcome to The Creative Corner section. This section is dedicated to all staff and students who want to express their creativity. Creativity, of course, can be expressed in many different ways. and it is with great pleasure to present to you the many creative masterpieces that originated from our very own faculty.

"Creativity is just connecting things. When you ask creative people how they did something, they feel a little guilty because they didn't really do it, they just saw something. It seemed obvious to them after a while."
—Steve Jobs

Life is Beautiful **by Areline, DDS Year 5**

Life is never an easy pathway. As you grow as an individual, you end up facing so many battles within yourself over and over again. Always remember, the moment you decide to work on yourself and pass through every hurdles that you face is when you encounter your capabilities and strength. It's okay if you keep falling back but don't give up. Living a good life insist a good support system that eventually comes your friends and family. They will always be your pillar of strength. Life is really beautiful if you learn to appreciate every little things around you because happiness are those small things which you do and sometimes we call it the act of kindness.





She's Not Alright
by Aisyah Halim, DDT

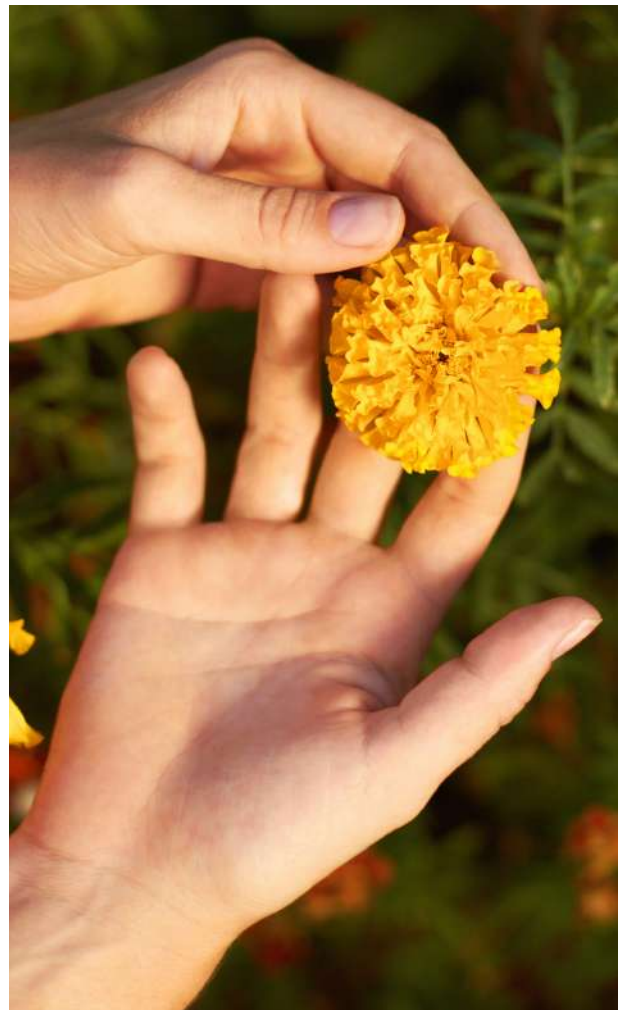
She always cried,
But they never asked why,
When she told them the reason for her tears
every night,
They laughed and said be wise.

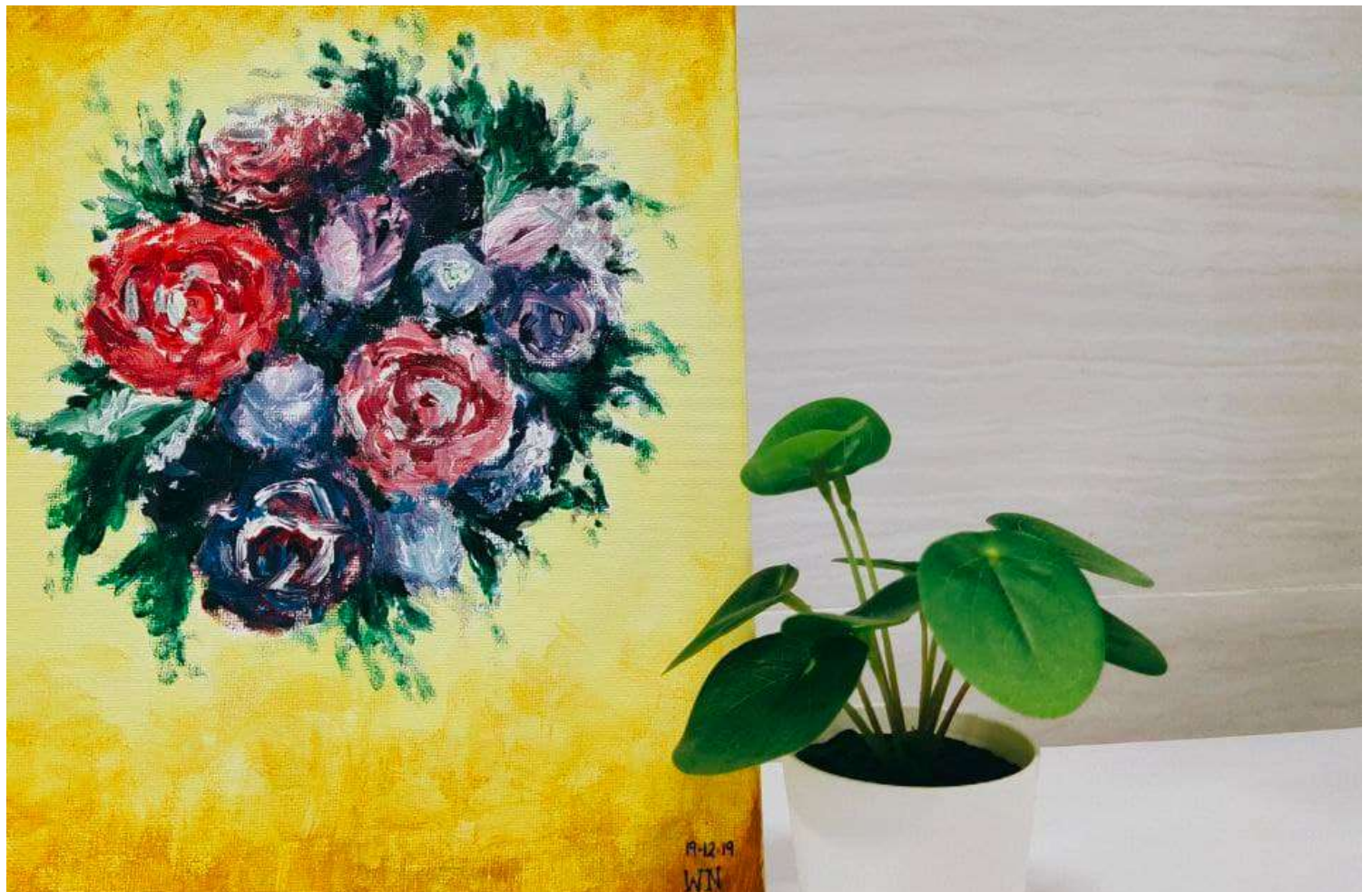
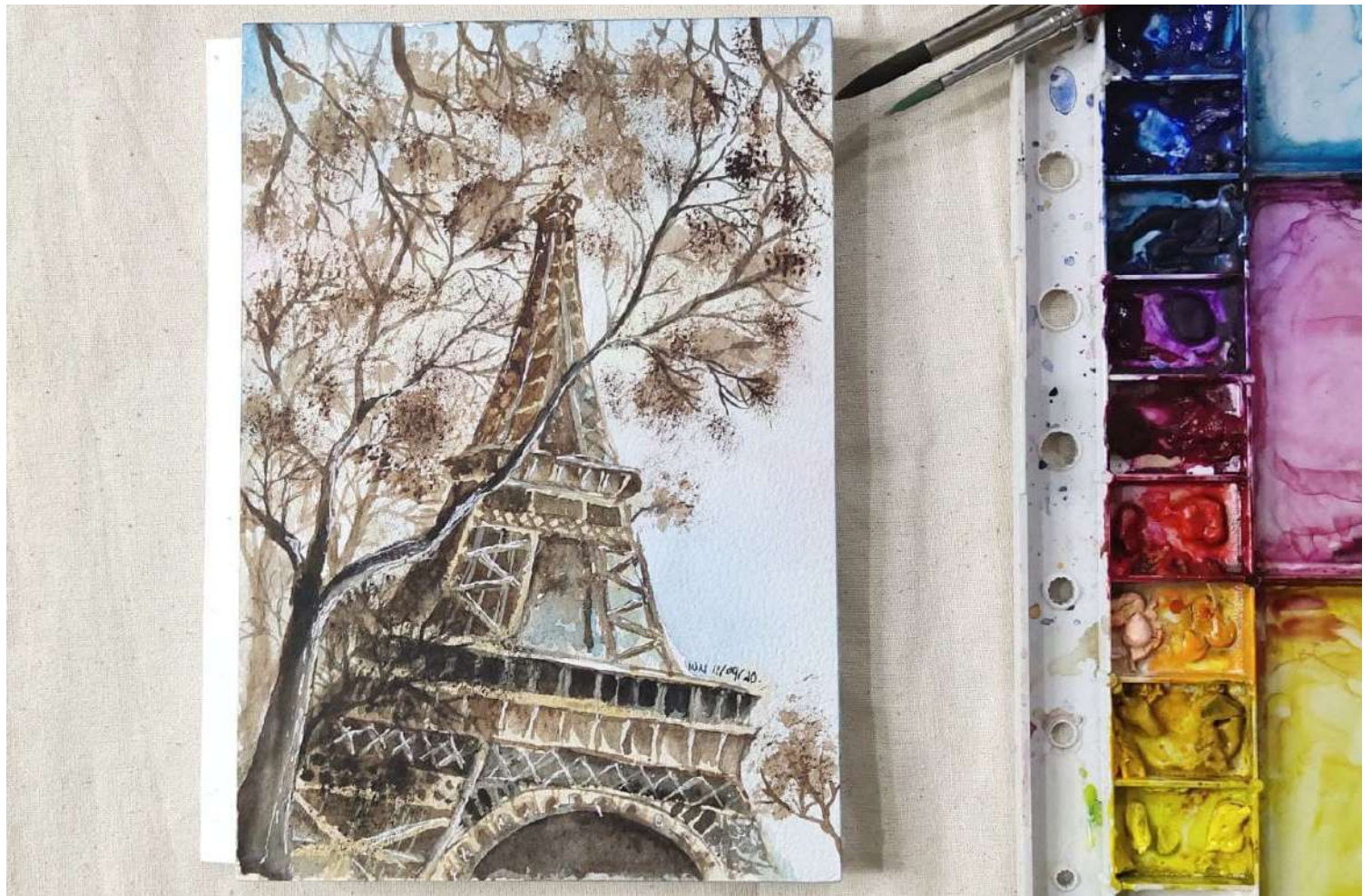
Now whenever someone ask her,
If she is alright,
She will tell them pretty lies,
And wear her happy disguise.

I hope one day someone will actually ask her
if she's alright.

Appreciation
by Areline, DDS Year 5

Life is like a race, you run as fast as you can to catch everything but you end up losing the precious ones that you have found along the way. You hurl and chase for something else. Well, this universe is pretty unique because we are not given what we want at the right time. It's either you cherish those things which comes to you or you throw it away. If you don't respect it, the universe will take it from you so it's either way. We should always learn to appreciate those people who came into our life as life is so undetermined. Sometimes it's too late when you have realized that you have lost something which was worth everything. We should always learn to respect and love what the universe have given as an act of appreciation.





"Art might not be the part that makes up my entire life, but it is definitely the piece of puzzles that makes it a whole."

by LimWin Nie, DDS Year 1



by Lim Sheng Bei, DDS Year 1

The following recipes are developed and revised by:

Tan Guang Ping, DDS Year 5



Turkish Çilbir

Prep: 15 minutes / Cook: 10 minutes / Total: 25 minutes / Servings: 2

Ingredients:

Poached eggs
2 large eggs
1 tablespoon vinegar

Yoghurt spread
120mL Greek yoghurt, room temperature
2 cloves garlic, finely grated
Handful of fresh dill or mint, finely
chopped
¼ teaspoon salt, to taste
¼ teaspoon pepper, to taste

Browned butter sauce
60g butter
1 teaspoon paprika
1 teaspoon Aleppo/Halaby pepper or
regular chilli flakes
¼ teaspoon salt, to taste

Steps:

1. Combine and mix the ingredients for the yoghurt spread until light and creamy.
2. Melt the butter gently in a saucepan until it gradually foams on the surface and sediments brown specks at the bottom of the pan – these toasted milk solids bear the flavour so do not strain them away! When the butter gains an amber-brown colour, turn off the stove and let sit for 5 minutes before adding in the spices to avoid burning the butter or the spices.
3. Boil half a pot of water. Reduce heat to medium and add a tablespoon of vinegar; swirl to create a miniature whirlpool. Gently slide cracked eggs into the water one at a time, and cook for about 3 minutes until the egg white is firm but with a runny yolk. Scoop out and drain the poached eggs with a paper towel.
4. To assemble, spoon and spread the yoghurt on a plate and top with the poached eggs. Drizzle the browned butter sauce and garnish with desired herb (I use spring onions here). Serve with toast or flatbread of choice.



Scallions, basil and almond pesto

Prep: 10 minutes / Cook: 10 minutes / Total: 20 minutes / Yield: 250g (Serves 400g of pasta for 4 pax)

Ingredients:

60g toasted almonds, chopped
 50g spring onions/scallions, chopped
 10g Italian/sweet basil
 2 cloves garlic
 90mL olive oil, or any vegetable oil you have
 ½ lemon, juiced
 ½ teaspoon salt, to taste
 ¼ teaspoon pepper, to taste
 2 stalks coriander/cilantro (optional)
 30g Parmesan cheese or any hard cheese of choice, grated (optional)

Steps:

1. Transfer the toasted almonds and garlic cloves into a food processor and pulse until finely ground.
2. Pluck the leaves of the basil from the stems. Add the basil leaves, chopped spring onions and coriander into the food processor.
3. With the motor running on a low speed, drizzle in olive oil in a slow and steady stream until the pesto forms a smooth consistency with flecks of green. This will take about 1 minute.
4. Season with lemon juice, salt, and pepper to taste.
5. Store in an air-tight container and cover the surface of the pesto with about 1cm of oil, to prevent oxidation that might lead to the browning of the pesto.

Follow his foodie account on @say___ahhh on Instagram for more recipes!