AN INTERVIEW WITH OUR
FOUNDING FATHER
PROF. DATO’ DR. AB RANI
SAMSUDIN

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The year 2017 came and went like a stream of light, and now we are in the year of 2018. I am happy to present you our third edition of Bulletin GIGI. The editorial team has been working very hard to compile all the information and activities in 2017. This year, our school has set our goals, and we shall combine our effort to achieve them. As an old Malay saying said, “Bersatu kita teguh, bercerai kita roboh”. We shall hold our hands and move like a pack of wolves if we want to be ahead in our quest. Relatively we are a young dental school, but we have stamped our niche areas. Biomaterial, especially in dental material, and 3D printing technology, such as the development of software has become our strength. Besides, the dental implant clinical team has been established and is marking their impression. Our cell biology team is also active particularly the dental stem biology group with a clean room facility. At the same time, we are improving our core business as a teaching school by reviewing and improving our curriculum, be it undergraduate or postgraduate studies. Those mentioned above are just the few things highlighted here. There are much more happening in PPSG. It is up to us to bring this forward, to the national or international levels. Let’s go beyond USM folks!

Prof. Dr. Adam Husein
Dean

Finally, the third issue is here. Phew! It has been quite some times before we come up with this edition. The materials for this issue had started to be discussed and decided in early 2017. The process to compile, photoshoot session, writing-up, and finally to conclude were time-consuming since this was not our cup of coffee. Dato’ Prof. Dr. Ab Rani Samsudin, the cover page personality was PPSG’s founding dean and my former boss. Working under him was like being trained for another master program. I learned a lot from him. The latest news was he is appointed for the second time to be the dean for College of Dental Medicine of the University of Sharjah, UAE. We are proud for his achievement. This issue also has a new section on the postgraduate student. Thus, we could share their experiences. For the dedication of the editorial team, I thank you. It is not an easy task to publish a magazine, well, not as easy as giving ideas or sharing opinions. But, we are trying the best to gather everything and introduce PPSG to the rest of the USM community, and hopefully to other universities as well.

Dr. Azlina Ahmad
Editor-in-Chief
In August 2016, I have attended The Bein Air University Forum Asia Pacific in Xi’an, China.

This was the first time the dental congress was held in the Asia Pacific region. It was organised by The School of Stomatology, The Fourth Military Medical University Xi’an. There were many participants from all over Asia including Singapore, Japan, Indonesia, Thailand, Burma, Hong Kong, and other Asian countries. I was one of the selected participants from Malaysia.

China is a country rich in history and historical achievements. During my time visiting Xi’an, I have managed to explore the beauty of this part of Heritage City of China. The Terracotta Soldiers are considered to be Xi’an’s top attraction. The great archaeological excavation of Qin Terracotta Warriors and Horses unfolded a strong army guarding the tomb of the first emperor of China, Qin Shi Huang. The 7,000 life-sized Terracotta Warriors famed as the “Eighth Wonder of the World”, and the best preserved Ancient City Wall. Xi’an’s Terracotta Soldiers and Horses was given world heritage status by UNESCO in 1987.

From Xi’an, I travelled to Weihai, Shandong province as part of the collaboration working project between Meichen Dental Hospital and School of Dental Sciences, Universiti Sains Malaysia. Weihai is a city in eastern Shandong province of China. This easternmost city is famous for its sea view and seafood. Weihai is ranked one of the model cities for improvement of global habitat environment by the United Nations. In 1998, Weihai won the Chinese Excellent Tourism City and was also chosen as one of the Olympic venues in 2008.

I was attached to a dental hospital named Meichen Dental Hospital. It has excellent facilities with up-to-date infrastructure. Besides providing dental treatment to the local community, it also receives patients from southern part of Korea and south of Japan. My task was to teach and train the dentists in the hospital with the current standard and latest technology. Last February 2017, I went there again for a month to train and teach the dentists in all three Meichen Dental Hospitals.

The Muslim Quarter of Xi’an is an area called the Muslim Street market. The street has a long history, dating back over 1,000 years and is the main location of the Muslim community in the city. The market is famous for its delicious food and interesting items and gifts.
Dr. Hany Mohamed Aly Ahmed & His Achievements

Dr. Hany Mohamed Aly Ahmed was born in Göttingen, Germany in 1980. He is an Egyptian and graduated from Faculty of Dentistry, Ain Shams University (ASU), Egypt, with a Bachelor Degree in Dental Sciences in 2002. He started his postgraduate program in Endodontics with a Higher Dental Diploma degree in 2006, and joined a Master Degree program at the School of Dental Sciences, Universiti Sains Malaysia (USM) in 2009, which was converted to PhD in 2011. Dr. Ahmed has been granted a number of awards for his research on the application of Portland cements in Endodontics including the IADR (SE Asian division) for the best laboratory research in 2014. He has also been appointed as a supervisor for several elective research projects. Dr. Ahmed has published many research and review articles in recognized international journals such as Journal of Endodontics, International Endodontic Journal, and Australian Dental Journal. In 2012, Dr. Ahmed has introduced a new classification for endo-perio lesions, which was published in ENDO [which has been translated into two different languages (Polish and Indonesian) and republished]. With experts from Brazil and UK, he also has introduced a new system for classifying the root and root canal morphology in 2016. He was appointed as a Senior Lecturer at the Department of Conservative Dentistry, USM from May 2015 to May 2017. He also is the Deputy Editor-In-Chief of the European Endodontic Journal. Currently, he is a Senior Lecturer at the Department of Restorative Dentistry, Faculty of Dentistry, University of Malaya. During the period from 2009-2015, Dr. Ahmed has gained a lot of experience at USM as a student and also as a lecturer. The mutual co-operation and homogeneity between students and supervisors, lecturers and colleagues, together with the boosting encouragement from family members have paved the way for successful outcomes in terms of clinical practice and research. He also strongly believes that exchanging knowledge and experience with experts from other countries is very beneficial. He has been working many years with experts in the field (Endodontics) in USA, UK, Australia, Italy, France, Egypt, India, Hong Kong, Saudi Arabia, Brazil, and Turkey. He has gained a lot of knowledge and experience from these international collaborations which has helped him to build up his career, and has increased the number of contributions in endodontic practice and research.
SHARING EXPERIENCE / EXPERTISE

DR. SHIFAT A. NOWRIN

My Past 3 Years

I always believe in God’s miracles. I believe, if you have the willpower to do anything, God will bless you with His miracles. After finishing my bachelor degree and internship I was thinking: What is next? Since childhood, it was my dream to go abroad to study so that I can build myself in a strong manner in all ways. But I knew living in a foreign country alone is not an easy job, especially in the financial matter. After finishing internship, naturally I gave more concentration on earning money rather than my post-graduate study because I knew I need to have a lot of money if I want to pursue my post-graduate study abroad.

Fortunately, a miracle happened swiftly when I got the opportunity to come to Malaysia and register myself as a Master student in my most favourite subject, Orthodontics in Dentistry. Since undergraduate, I was so much fascinated to the molecular laboratory work. And God showed His miracles again.

Though I am a clinician, my Master project was related to molecular work associated with Orthodontics. I have started my new journey. I was so overwhelmed by this new country. Every person, supervisor, course mate, and the staff in craniofacial laboratory was so helpful; I can easily cope with this new environment. Living in a new country is a new experience and it’s very exciting. I have started work in the laboratory and was thinking it’s very easy to finish my Master project as it seems like there’s very few works to be done. Disregarding the time factor and other issues in molecular work, I have started spending money with my friends going for vacation, as I was thinking I can finish my work soon and can go back home, so I can spend more money on enjoyment. But the ultimate time came when God pulled me back.

I realised all the laboratory works were not giving good results and I need to do the tests repeatedly until good quality results come. I felt like the sky is falling on my head. I was praying and crying, what should I do?

God showed me a sliver of light when I saw the USM fellowship circular. I applied for that and waited with positive hope. One day I was informed that the interview date has been fixed and I was short-listed for the fellowship interview. I started preparing for that and finally the day came. I went to the interview very confidently and with the grace of Allah I got the scholarship. After that, my journey became easier and smoother. I never looked back. I fulfilled all my research works. I attended lots of national and international conferences. I was also awarded the best oral presentation at the 20th National Conference on Medical & Health Sciences (NCHMS) and 3rd prize for oral presentation at 21st NCHMS.

Finally, the moment came when I graduated from my Master program with lots of good achievements. And by the grace of Allah now I have already registered in PhD program at USM. Hopefully, the day will soon come when I will graduate with a PhD, also with lots of achievements and God will bless me with His miracles throughout my journey.
An Interview with
PROFESSOR DATO’ DR. AB RANI SAMSUDIN

Professor Dato’ Dr. Ab Rani Samsudin, 58, Fellow of the Royal College of Surgeons of England and Fellow of the International Association of Oral & Maxillofacial Surgeons earned his Bachelor of Dental Surgery from University of Baghdad in 1983. He is the founding dean of School of Dental Sciences (PPSG). Currently, he is making his mark at United Arab Emirates (UAE) and serves as a Visiting Professor at PSPG, USM. Here’s our interview with this altruistic surgeon with that extraordinary character and leadership who has mentored, supported, and influenced many people around him, albeit his very busy schedule.

Please share with us your earliest memory or experience of the events or people who inspired you to be who you are today.

“First, I would like to thank the school and the board of Bulletin for giving me the opportunity to be in the Bulletin this time. Certainly, this school has gone very far. More than 20 years has passed and we have had a lot of success in various areas. Back then, our platform/base was the medical school, PPSP, which was very good and strong, and has developed very well way back then. In 1997/98, I was one of the lecturers at the Department of Surgery. Based on the strength of PPSP, we built this dental school. We didn’t build PSPG out of nothing. When we started the school, we need people, networking, infrastructure, and from there we started to work that out with lots of support from the PPSP and USM. Time has passed the planning and the vision of people with me at that time, I must say we were in the right path and that has led us to be where we are today”.

So far, you have contributed in setting up two dental schools - our very own PSPG and Sharjah. Could you enlighten us with your journey in undertaking the big responsibility to develop a dental school? What influenced you in making all the decisions needed in the establishment of these schools.

“Certainly, having the opportunity to be a dean and to lead a school is by chance. It is not by design. No one is educated to be a future dean of a school or an institute. So, way back 22 years ago, I was here. I am dentally qualified, I have an interest, strong interest in medical and dental education and that’s how I was given the opportunity to build this school. Building a school is a teamwork and to build a school, we must have a good vision to know where we want to put the school in the future. Therefore, we must setup all the infrastructures and all the resources that we need that is available or we need later to ensure the development of the school will go through smooth journeys. So, forming 10 years as dean in this school, I was appointed to be a dean in second school in the Middle East. That is totally different environment and different culture. But then the vision of educations is the same because of the globalisation and we have converged so much in education. Therefore, whatever I did just sharing the experiences plus new experiences which I planned based on the vision of the country.”
What is your area of interest/expertise? What drives you to work in this field? Why does it matter to you?

“I qualified as a dentist and went on training in Oral & Maxillofacial Surgery; further, I subspecialised in Craniofacial Surgery. I was lucky because there were very few people in Malaysia that time who were trained in this field. When I returned to USM I managed to develop a multidisciplinary team, working very closely with colleagues from plastic surgery, orthopaedic, otolaryngology, and anaesthesia. We built a very strong team managing children and especially adults with craniofacial problems. This multidisciplinary team has really inspired me to go on and excel together in this field, conducting research in this area as well. We look at children with cleft lip and palate and craniofacial syndrome, and work along with our neurosurgical team managing these children. We looked at the reasons for all these problems - congenital issues and deformities - which was happening in our geographical location in Asia. Based on our research, we found new findings and discoveries and I am very glad to say that this multidisciplinary team is going on in my absence when I am away from the University”.

In your opinion, why is research so important? What are the challenges in the dental research field?

“Research is certainly a very important aspect in development of a discipline of profession and development of the country as a whole. Being an academician, it is also important for one to excel in his/her own academic profession. Many people thought that by going deep into science we will create interest in research but in my opinion that’s not true. I developed interest in research not by depending myself in the science where I am involved in. Not because I study so much in medicine, dentistry, and science that I love research, but it’s because I read other areas of soft sciences. It’s reading magazine, articles in newspapers about economy, education, issues in the communities—these are the knowledge that I gain from reading that inspired me to be a researcher. So, 20 years ago we brought in a group of young people, whom we felt we can build, can excel, can be further educated, and can bring up research in dental school up to another level. Time has proven, we have arrived to such destination. So, it is reading soft sciences that has inspired me to further propel and push our staff to go into science. We have to be an innovator in technology, not just being a user. We thought that the challenges for us to do research was that we don’t have a good lab.

Right, that could be one of the challenges, the second would be we don’t have good training. The third challenge is we don’t have enough fund. So we can’t do good research. But today, all these challenges are obsolete. We can borrow or rent labs. In terms of training, today, many basic courses in sciences can be obtained online just by Google. For advanced training, we still have to send our staff abroad or to another centre. And money is also not an issue because we can collaborate with others. Because today, science is the era of networking and collaboration and when one is not in a network, he can’t do anything. But the real challenge is people. We must have the best people to be with us. And when we say people it does not mean that we bring in genius scientists, trained and motivated them, and achieve what we want to achieve. Networking and people are the most important values that we must build in order for us to strive in science. Many years ago, when I started to be a researcher we always thought that we want to develop novel materials. But today, novel materials is not the end thing anymore. The best way to do research in dentistry and in others fields is to work with the industries; we have to work in what ever materials there are working on and to add value on these materials. It is very difficult to work on novel materials, to gain a discovery, and reach the market. It can only be achieved by chance. So I would like to advice the young scientist: Develop a collaboration with industries. We must have strong team and together create value for them”.

“be an innovator….. not only a user of technology……”
What role do you hope scientist/researcher will play in the future, seeing that the world of technology is rapidly expanding?

“In the past, whatever we know in science may last for 7 to 10 years and then it would be obsolete. Then we thought it’s 5 years. But today, whatever we now may be over the next year; that would be expired. So, we must continue, keep building science and new knowledge. But new knowledge does not mean discovery. It is simply how we allow knowledge and skill to meet and to be able to produce an effect that will have positive value for science in our locality. The technology is rapidly changing; industries and the mind-set of scientists are also changing. Many times, we thought of novel ideas. But scientists all around the world have found that it is very difficult to push a novel product to the industry. There are many reasons for it. The scientists who are academicians blamed that there is no fund to breach these products from the university’s lab to the industries—there’s no bridging funds. But now, we have understood that the industry too felt threatened if there is new novel product brought to them because it may challenge the products they are having. Therefore, they won’t support us to further publish from the prototype to be something that can be commercialized. Secondly, there is a lot of money involved in commercialization and many industries are not ready to spend the amount of money to commercialize a new product, even though the product is potentially valuable for them. They have developed their networking throughout the world, they have developed their people, product’s knowledge, and skill, and they are only interested to upgrade the own product. So scientists are now looking at how to collaborate with industries to value-add their product. Perhaps when you value-add the product, finally you’ll meet up with the novel products. So, I would like to advice scientists in our country to get together to form a strong team and to team up with industries. Certainly, industries may not favour a small team with only one or two researchers because if we go to Europe, for example, and look at an industry which is developing software, many of the software have been developed with few thousand programmers working on it. So, this is the challenge that our scientists are facing—how to get together and team up in multidisciplinary teams with the industries for the future of science.
How would you encourage the dental fraternity — particularly those involved in teaching and learning — to be able to think outside of the box and get involved with good research to spur advancement in dentistry?

Today’s children are different from the children of yesterday. In my generation, the baby boomers, we were born after the Second World War, between 1948-1960 because people started to go to the farm, to grow vegetables, foods, and there were lots of harmony in the world. Following that, technology started to speed up. So, we went from electrical and mechanical engineering to electronic or digital world that connected us with the entire world. Therefore, the student today is different from the student of yesterday. Today’s doctors are better trained than yesterday’s doctor because of the 3D animation that can show how a certain dental and medical skill is performed and the students can absorb the knowledge very well.

For the teachers, they must be lifelong learners and to be that, deepening ourselves in deep science is not enough. If we go in very deep in dental sciences, materials sciences, or molecular and cell biological sciences, we are going to end up nowhere. Because we do not see where is the application of science as these are very deep hard core sciences. We must read and discuss about the soft sciences from magazines. It is available in the normal bookshops. Reading about problems in the community, that will tell us where can we apply our knowledge in sciences and for them for develop ideas. So many times, people go very deep into research but they don’t meet ideas. Because ideas are met only in the application part of sciences. Ideas can only be met when we read on the soft sciences and the community. So, I would like to advice again all my fellow scientists to inspire their young to read, to know the community, to know what are the problems facing mankind. Certainly, whatever problem we solve/have here in the university, in the country, it could be applicable globally.

“Well, I myself is strongly engaged in teaching. I am a teacher myself. For us to engage ourselves in learning and to be a good teacher and be able to inspire our students, all teachers should be lifelong learner. That means we must continue learning and training ourselves and connect ourselves to the educational world for us to be an excellence teacher in an excellent university. A teacher must be a good researcher because only research will encourage a person to do more, to learn more, and to know more. In that way, they can educate their students at the right level and at the right time.

Research Bulletin: Thank you, Prof. Dato’ Abdul Rani, for spending your invaluable time answering our questions. We do hope your story would be an inspiration for some, if not all. We wish you all the best and are grateful for your efforts in the field of dentistry.
In 2016, PPSG had received 8 USM Short Term Grants, 3 RUI Grants and 1 FRGS Grant which amounted to a total of RM 636,648.00.
22ND MTSF PRIZE PRESENTATION CEREMONY
24 NOVEMBER 2015
Berjaya Times Square Hotel, Kuala Lumpur

AWARD
Year 2015 MTSF Science and Technology Research Grant - RM20,000
(Funded by Toray Science Foundation, Japan)

RESEARCH PROJECT TITLE
Molecular Regulation of NFAT Tubular Morphogenesis in Stem Cell Angiogenic Differentiation for Dental Pulp Regeneration

RECIPIENT
Siti Nurnasihah Md Hashim, M.Sc. student
B.Sc. (Hons) (Genetics)

CO-RESEARCHERS
Dr. Azlina Ahmad
Dr. Khairul Bariah Ahmad Amin Noordin

23RD MTSF PRIZE PRESENTATION CEREMONY
6 DECEMBER 2016
Intercontinental Hotel, Kuala Lumpur

AWARD
Year 2016 MTSF Science and Technology Research Grant - RM20,000
(Funded by Toray Science Foundation, Japan)

RESEARCH PROJECT TITLE
Differentiation and Characterization of Epithelial Cells and Fibroblasts from Stem Cells from Human Exfoliated Deciduous Teeth (SHED)

RECIPIENT
Nurul Hafizah Mohd Nor, Ph.D. student
B.Sc. (Hons), M.Sc. (Pharm Tech)

CO-RESEARCHERS
Dr. Zurairah Berahim
Dr. Azlina Ahmad
RESEARCH SEMINARS & WORKSHOPS FOR 2017

1. 26th January
   Basic Statistics Workshop using SPPS (Non-Parametric Approach)

2. 9th February
   Bengkel Hala Tuju Pensyarah Muda (cohort umur < 40 tahun)

3. 16th February
   Bengkel Hala Tuju Pensyarah Berpengalaman (cohort umur > 40 tahun)

4. 23rd February
   Half-Day Research Meeting with FRIM

5. 30th March
   Basic Statistics Workshop using SPSS (ANOVA)

6. 30th March
   Seminar & Workshop Bridging the Gap Between Research Practice

7. 13th April
   Seminar on Understanding Journals
   i. Search Engines
   ii. The Effect of Attending Scientific Meeting on Research Outcome
   iii. High Impact Journal & Publication / Citation Indexed & Non-Citation Indexed Journals

8. 25th-26th April
   Advanced Workshop on Real-Time PCR: DNA & RNA Analyses

9. 27th April
   Postgraduate Research Day in Conjunction with 14th Students Scientific Conference

10. 19th May
    Endodontic Course: Rotary Endodontics Root Canal Treatment in 21st Century

11. 16th August
    Half-Day Seminar on Special Staining Technique in Histopathology

12. 23rd August
    Awareness on USM-RIKEN International Centre For Ageing Science

13. 3rd-5th October
    Workshop on Developing a Manuscript for Cochrane Systematic Review

14. 10th October
    Sharing Experience on Winning External Grants: Formula for Success

15. 12th October
    Seminar Penulisan dan Penerbitan Modul Pembelajaran, Penerbitan Saintifik Hasil Penyelidikan, Buku Ilmiah dan Fiksyen Bersama Dewan Bahasa dan Pustaka (DBP)

16. 14th-16th November
    Seminar and Workshop on Basic Techniques in Molecular Biology in Biomedical Research
AWARDS & ACHIEVEMENTS IN 2017

ORAL PRESENTATIONS

1ST PLACE (CLINICAL SCIENCES): 14TH STUDENTS SCIENTIFIC CONFERENCE, KOTA BHARU, 27 APRIL
PROJECT TITLE: PREVALENT OF DENTAL ANOMALIES IN HUSM ORTHODONTIC PATIENTS: A RETROSPECTIVE STUDY
PROJECT MEMBERS: Anis Amira, Noramia Ab. Rahman, Mohammad Khurseed Alam

1ST PLACE (PUBLIC HEALTH): 14TH STUDENTS SCIENTIFIC CONFERENCE, KOTA BHARU, 27 APRIL
PROJECT TITLE: BIO-BURDEN OF MICROORGANISMS PRESENT IN MEDICAL AND DENTAL STUDENT NECKLIES IN HUSM
PROJECT MEMBERS: Anusha Krishna, Siti Asma’ Hassan, Nur-Leem Murshid, Lizzen Tan

1ST PLACE (BASIC SCIENCES): 14TH STUDENTS SCIENTIFIC CONFERENCE, KOTA BHARU, 27 APRIL
PROJECT TITLE: CYTOTOXIC EFFECT OF COSMOS CAUDATUSION ORAL SQUAMOUS CELL CARCINOMA
PROJECT MEMBERS: Che Roziah Mohd Sukari, Mohamad Ezany Yusoff, Azlina Ahmad, Wan Nazatul Shima Shahidan, Khairul Bariah Ahmad Amin Noordin

1ST PLACE (3-MIN PITCHING): POSTGRADUATE RESEARCH DAY, KOTA BHARU, 27 APRIL
PROJECT TITLE: EVALUATION OF AMNIONIC MEMBRANE AS A SCAFFOLD FOR PERIODONTAL LIGAMENT FibroBLAST. AN IN VITRO STUDY
PROJECT MEMBERS: Asrar Elahi, Haslina Taib, Zurairah Berahim, Azlina Ahmad, Suzina Sheikh Ab. Hamid

2ND PLACE: THE 2017 ANNUAL MEETING OF INDONESIAN SOCIETY OF HUMAN GENETICS (INASHG), YOGYAKARTA, 29 OCTOBER
PROJECT TITLE: CLINICALLY RELEVANT RARE VARIANTS IN MALAY HEREDITY NONPOLYPOSIS COLORECTAL CANCER (HNPPC) USING WHOLE GENOME SEQUENCING (WGS): A PRELIMINARY RESULT

POSTER/e-POSTER AWARDS

1ST PLACE: POSTGRADUATE RESEARCH DAY, KOTA BHARU, 27 APRIL
PROJECT TITLE: COMPARISON OF COMMERCIAL AND THREE OPEN-SOURCE MEDICAL IMAGING SOFTWARE FOR RECONSTRUCTION OF 3D SKULL MODELS FROM COMPUTED TOMOGRAPHY DATA
PROJECT MEMBERS: Johari Abdullah, Zainul Ahmad Rajion, Adam Husein, Helmi Hadi

3RD PLACE e-POSTER: GLOBAL GLOBIN 2020 CHALLENGE (GG2020) CONFERENCE, 17-18 JULY
PROJECT TITLE: A STUDY OF CRANIOFACIAL MORPHOLOGY AND DENTAL AGE IN TRANSFUSION DEPENDENT THALASSAEMIA 6-16 YEARS OLD PATIENTS
PROJECT MEMBERS: Aida Shafiza Che’ Azmi, Rozita Hassan, Saliza Yasmin Sanusi

1ST PLACE: 7TH MALAYSIAN ASSOCIATION FOR PROSTHODONTICS (MAP) ANNUAL SCIENTIFIC CONFERENCE AND AGM, KUALA LUMPUR, 6-8 OCTOBER
PROJECT TITLE: HARDNESS ASSESSMENT OF NOVEL MODIFIED GLASS IONOMER CEMENT-NANOSILICA-HYDROXYPATITE-ZIRCONIA HYBRID MATERIAL
PROJECT MEMBERS: Wan Zaripah Wan Bakar, Nor Ainon Maziah Ghazali, Ismail Ab. Rahman

OTHER AWARDS

1ST PLACE BEST ELECTIVE REPORT
PROJECT TITLE: COMPARISON BETWEEN THREE MAXILLARY ARCH SHAPES AND THE LABIAL ALVEOLAR BONE THICKNESS AMONG MALAYSIA
PROJECT MEMBERS: Dayang Nur Nadhirah Baharin, Asilah Yusof, Ramziu Shaari

AWARD OF MOST CITED ARTICLE 2016
TITLE: SYNTHESIS OF SILICA NANO PARTICLES BY SOL-GEL: SIZE-DEPENDENT PROPERTIES, SURFACE MODIFICATION, AND APPLICATIONS IN SILICA POLYMER NANOCOMPOSITES
REVIEW. JOURNAL OF NANOMATERIALS, 2012: ARTICL NUMBER 132424 (102 CITATION)
Author: Ismail Ab Rahman, Vijayakumaran Padavettan

HIGHEST VALUE OF GRANT 2016
PROJECT TITLE: FLOWABLE RESIN COMPOSITE FROM AGRICULTURAL BIOVASTE
RECIPIENT: Yanti Johari, Ismail Ab Rahman, Adam Husein, Mohd Fadhli Khamis, Dasmawati Mohamad, Zahtin Ariffin

SILVER MEDAL: KONVENSYEN KIK 2017
PROJECT TITLE: KGS PLASTIK PELINDUNG SENSOR DIGITAL RADIOGRAF INTRAORAL YANG TINGGI
PROJECT MEMBERS: Noor Huda Ismail, Siti Asma’ Hassan, Nur-Leem Murshid, Lizzen Tan

BRONZE MEDAL: NOVEL RESEARCH AND INNOVATION COMPETITION 2017
PROJECT TITLE: CYTOTOXIC EFFECT OF COSMOS CAUDATUS ON ORAL SQUAMOUS CELL CARCINOMA LIFE
PROJECT MEMBERS: Khairul Bariah Ahmad Amin Noordin, Che Roziah Mohd Sukari, Mohamad Ezany Yusoff, Azlina Ahmad, Wan Nazatul Shima
POSTGRADUATE RESEARCH DAY IN CONJUNCTION WITH 14TH STUDENTS SCIENTIFIC CONFERENCE
14th Students Scientific Conference

School of Dental Sciences

Award ceremony: Undergraduate students

Award ceremony: Postgraduate students

Awards were given to selected lecturers for their excellence in research and publication.