

CV – DR. JOHARI YAP



Name : JOHARI BIN ABDULLAH
@ YAP GUAN KHENG

Current Position : Senior Lecturer
Craniofacial Imaging Laboratory,
School of Dental Sciences,
Health Campus,
Universiti Sains Malaysia,
16150 Kubang Kerian, Kelantan.

Qualifications : B.S. & I.T. Hons (Lincoln, NZ)
GradDip ICT with Distinction (CPIT, NZ)
M.Sc in Dentistry (Oral Biology) (USM)
Ph.D in Craniofacial Biology (USM)

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H-Index (Scopus) : 12

PROFESSIONAL COMMITTEE

- 1) Honorary Secretary – International Association for Dental Research (IADR), Malaysian Section, term 2014/2016 and term 2016/2018
- 2) Committee Member - International Association for Dental Research (IADR), Malaysian Section, term 2018/2020, 2020/2022 and term 2022/2024

SOCIAL COMMITTEE

- 1) Member, Board of Trustees, Yayasan Dakwah Islamiah Malaysia (YADIM), term 2023/2025.
- 2) Committee member, Jawatankuasa Hal Ehwal Muallaf, Majlis Agama Islam Selangor (MAIS), term 2021/2023.
- 3) Chairman – Malaysian Chinese Muslim Association (MACMA), Kelantan Branch, term 2013/2015, term 2015/2017, term 2017/2019, term 2019/2021, term 2021/2023 and term 2023/2025.
- 4) Deputy President - Malaysian Chinese Muslim Association (MACMA), Central Committee, term 2021/2023 and term 2023/2025.
- 5) Founder and Chairman – Koperasi MACMA Kelantan Berhad (KoMACMA), term 2017/2020, term 2020/2023 and term 2023/2026.

- 6) Committee Member – Pertubuhan Kebajikan Islam Malaysia (PERKIM), Kelantan Branch, term 2012/2014, 2014/2016, 2016/2018, 2018/2020, 2020/2022, and 2022/2024.

SUPERVISION

- 1) Main supervisor for Ph.D. – Nafi Ahmed Rafa Naji [23101373]
- 2) Main supervisor for Ph.D. – Wang Fan [22305629]
- 3) Main supervisor for Ph.D. – Samar Kamran [P-SGD0021/23 (R)]
- 4) Main supervisor for Ph.D. – Al Kaabi Arshad F Jassem [P-SGD0026/22(R)]
- 5) Main supervisor for Ph.D. – Mohamed Zahoor Ul Huqh [P-SGD0006/20(R)]
- 6) Main supervisor for Ph.D. – Mohammed Mousa Mohammed Assayed [P-SGD0007/19(R)]
- 7) Main supervisor for M.Sc. - Al Amin Md Nur [23100517]
- 8) Co-supervisor for Ph.D. – Samiya Riaz [P-SGD0005/20(R)] - *Graduated*
- 9) Co-supervisor for Ph.D. – Manahil Maqbool [P-SGD0013/21(R)].
- 10) Co-supervisor for Ph.D. – Omar Basheer Taha [P-SGD0007/19(R)]
- 11) Co-supervisor for Ph.D. – Ali AbdulQader Hameed [P SGD0009/19(R)]
- 12) Co-supervisor for Ph.D. – Beenish Fatima Alam [P-SGD0008/20(R)]
- 13) Co-supervisor for Ph.D. – Baba Suheel Manzoor [P-SGD0015/21(R)]
- 14) Co-supervisor for M.Sc.– Abdullah Abdulkhaleq Mohamed Al-Selwi [P-SGM0017/18(R)] – *Graduated*

TECHNOLOGY LICENSING

- 1) White Oyster Mushroom energy bar – TDC Holdings Sdn Bhd. RM10,950.00. MoA Code A2024059. 9/12/2023 – 8/12/2026

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- 1) I-mistroom 5000, AR2022P03426 & LY2022P03425(30 Jan 2023)
- 2) I-mistroom 500, AR2022P03424 & LY2022P03423(30 Jan 2023)
- 3) I-mistroom Special Edition, AR2022P03612 & LY2022P03613 (30 Jan 2023)
- 4) Colour Coded Remaining Dentine Thickness Classification (CRDTC), LY2023P03238 (27 Jul 2023)
- 5) White Oyster Mushroom energy bar – main researcher, LY2023P05667 (10 Nov 2023)

TEACHING

- 1) Teaching and course coordinator for subject GNT218 (Oral & Maxillofacial Radiology) for Year 2 since 2020
- 2) Teaching and supervising subjects GGP502, GGP 509, GGP513, and GGP515 for the postgraduate students
- 3) Preparing new course (new curriculum) for undergraduate students Year 5 – GGM505 (Professional Development)
- 4) Preparing new course for postgraduate students, Master of Dental Science (Mastery Professional Development)
- 5) Teaching and supervising undergraduate students for GNE410 elective project
- 6) Supervising Final Year Project undergraduate students, GTF411 (Forensic Sciences) from School of Health Sciences, USM
- 7) Supervising postgraduate students in MMed Neurosurgery from School of Medical Sciences, USM

AWARD/RECOGNITION

- 1) Anugerah Sanggar Sanjung 2022 – Kategori Penerbitan Jurnal (Hadiah Sanjungan)
- 2) Anugerah Sanggar Sanjung 2021 – Kategori Penerbitan Jurnal (Hadiah Sanjungan)
- 3) Anugerah Sanggar Sanjung 2020 – Kategori Penerbitan Jurnal (Hadiah Sanjungan)
- 4) Anugerah Sanggar Sanjung 2019 – Kategori Penerbitan Jurnal (Hadiah Sanjungan)
- 5) Anugerah Persada Kencana 2019 – The Most Excellent Postgraduate Student in USM & The Best Thesis Award for Medical and Health Sciences category, title of thesis “Three-Dimensional Reconstruction and Design of Patient-Specific Implant using Open-Source Software”.
- 6) Outstanding Achievement Award 2018 at Majlis Persada Kencana 2019, USM Main Campus, Penang.
- 7) Reviewers for ISI journals, 47 manuscripts in 2023, 22 manuscripts in 2022, and 11 manuscripts in 2021.
- 8) Featured in Jejak Adam documentary (Astro Oasis) as an expert in “3D reconstruction and visualisation specialist” for project in reconstruction of Penang Woman skull.
- 9) Visiting lecturer – Fakultas Kedokteran Gigi, Universitas Gadjah Mada, Indonesia
- 10) Invited speaker – Fakultas Kedokteran Gigi, Universitas Gadjah Mada, Indonesia

- 11) Invited speaker – Fakultas Kedokteran Gigi, Universitas Padjajaran, Indonesia
- 12) External examiner for Masters proposal for Fakultas Kedokteran Gigi, Universitas Padjajaran, Indonesia
- 13) Invited speaker – 22nd Annual Scientific Conference, IADR Malaysian Section
- 14) Plenary speaker - IIUM National Oral Health Research Initiative (NOHRI) Conference 2023
- 15) External reviewer for grant proposal for Qatar University – 3 proposal reviews
- 16) Judge for IADR Malaysian Section Scientific Meeting – 2 times
- 17) EXCO for IADR Malaysian Section, 2019-2022
- 18) Editorial Board - Proceedings of 19th and 20th Annual Scientific Meeting IADR Malaysian Section
- 19) Adjunct Professor - Centre for Global Health Research at Saveetha Medical College and Hospital, Chennai, India
- 20) Appointed as Friends@FKP UMK (visiting lecturer) from 15/12/2020 – 14/12/2021 after the approval from UMK Senate meeting/

ACADEMIC EDITOR

- 1) PLOS ONE
- 2) Frontiers in Medical Technology

CONSULTANCY/TRAINING/GIFT

- 1) Craniofacial reconstruction training of victim's skull for forensic team from Hospital Sultanah Aminah, Johor Bharu which headed by Ketua Perkhidmatan Forensik Negeri Johor on 21/5/2023 – 24/05/2023.
- 2) Research and innovation consultant to Roxhana Ventures Sdn Bhd from 31/12/2021 to 31/12/2022
- 3) Organised Digital Workflow workshop at 18/4/2021
- 4) Acquired donation from Yayasan Haq, RM9,500.00 for the development and welfare of undergraduate students on 17/5/2023
- 5) Acquired donation of RM100,000.00 from Malaysian Palm Oil Council on 9/9/2021 to sew 10,000 pieces of PPE for staff and students of School of Dental Sciences, USM
- 6) Acquired donation in kind of research equipment valued at RM3,000.00 from Yayasan Haq on 1/3/2021
- 7) Acquired donation of PPE and sewing machine valued at RM30,000.00 from Malaysian Chinese Muslim Association

CONTRIBUTION TO UNIVERSITY

- 1) Penyelaras Radiologi Pergigian PPSG
- 2) Ketua Kursus GNT218, Radiologi Oral & Maksilofasial
- 3) Ahli Jawatankuasa Pentadbiran dan Pembangunan PPSG
- 4) Ahli Jawatankuasa Panel Penilai Laporan Akhir Projek Penyelidikan PPSG
- 5) Ahli Jawatankuasa KPI PPSG
- 6) Ahli Jawatankuasa Elektif dan Jaringan PPSG
- 7) Ahli Jawatankuasa Hal Ehwal Pelajar PPSG
- 8) Ahli Jawatankuasa Kurikulum PPSG
- 9) Ahli Jawatankuasa Central Vetting Peperiksaan Ikhtisas II PPSG
- 10) Ahli Jawatankuasa Projek RMK13 (3D Digital Dentistry) PPSG
- 11) Ketua Pengawas Peperiksaan Ikhtisas II Tahun 2 PPSG
- 12) Koordinator bagi seminar berkaitan geran industri (double tax exemption) PPSG

CONTRIBUTION TO SOCIETY

- 1) Melibatkan diri dalam kerja sukarela di peringkat negeri dan kebangsaan sebagai Pengerusi/AJK pertubuhan bukan kerajaan (NGO)
- 2) Menjalankan program agroprenuer kepada pelajar prasiswazah PPSG dalam projek tanaman cendawan tiram putih.
- 3) Khidmat masyarakat dalam projek tanaman cendawan tiram putih di perkarangan pejabat Persatuan Cina Muslim Malaysia Cawangan Kelantan di Taman Maju bagi komuniti B40.
- 4) Khidmat masyarakat di bawah program KRIS di mana satu program KRIS sebagai ketua projek dan tiga lagi program sebagai AJK.
- 5) Khidmat negara sebagai pemerhati SPR bagi PRU ke-15.
- 6) Khidmat masyarakat sebagai Duat Al-Falah, Pembimbing Malaysia Madani bermula 27/5/2023 – lantikan Menteri di JPM (Hal Ehwal Agama).
- 7) Khidmat masyarakat sebagai Ahli Lembaga Pemegang Amanah YADIM dari 3/5/2023 sehingga 2/5/2025 – lantikan Perdana Menteri.
- 8) Khidmat masyarakat sebagai Pegawai Bersekutu Pertahanan Awam (Leftenan Kolonel) untuk Angkatan Pertahanan Awam Malaysia (APM) dari 27/7/2023 sehingga 09/09/2025.

RESEARCH GRANTS

- 1) Development of Energy Bar using White Oyster Mushroom. Industry grant – TDC Holdings Sdn Bhd. RM219,000.00. 1/6/2023 – 31/5/2026. **Principal Investigator.**
- 2) A Pre-Clinical Comparative Study of Optimal Aramany Class I Obturator Prostheses Using Different Materials and Designs. Special USM Short Term Grant. RM42,000.00. 1/10/2022 – 30/09/2024. **Principal Investigator**
- 3) Stimulasi diod pemancar cahaya biru untuk optimisasi pertumbuhan cendawan tiram putih dalam persekitaran terkawal. Industry grant – Satumarin Sdn. Bhd. RM50,000.00. 1/08/2022 – 31/07/2024. **Principal investigator.**
- 4) Effect of Processing Parameters on Physico-Chemical and Biological Properties of Goose Bone Nanoparticles. Industry grant – Roxhana Ventures Sdn Bhd. RM95,000.00. 1/03/2021 – 28/02/2023. **Principal investigator.**
- 5) 3D Reconstruction and Rehabilitation of Patients with Oral and Maxillofacial Defects. Industry grant – TDC Holdings Sdn Bhd. RM126,000.00. 1/02/2021 – 31/01/2024. **Principal investigator.**
- 6) Fabrication of Fully Digital Obturator Protheses for Patient with Palatal Defect. External grant – Yayasan Haq. RM15,000.00. 1/10/2020 – 30/09/2022. **Principal investigator.**
- 7) The Effects of Goose Bone on Fracture Healing in Rabbit Model. Industry grant – Roxhana Ventures Sdn Bhd. RM31,000.00. 1/10/2020 – 30/09/2022. **Principal investigator.**
- 8) The Use Of Light Stimulation For Oyster Mushroom Growth In A Controlled Environment. Industry grant – Samurai Yakiniku Sdn. Bhd. RM15,000.00. 1/10/2022 – 30/09/2024. **Co-investigator.**
- 9) Elucidating stress distribution and retention of maxillary obturators (Aramany's Class I) constructed with different materials and designs. FRGS. RM121,247.00. 01/09/2022 – 31/08/2024. **Co-investigator.**
- 10) Investigation of factors determining the uniqueness of tooth occlusal features in both gender among Malaysians. FRGS. RM65,629.00. 01/09/2022 – 31/08/2024. **Co-investigator.**
- 11) Penanaman cendawan di macma kelantan bagi membantu ekonomi mualaf golongan B40. External grant – Kelantan State Government. RM20,000.00. 01/06/2022 – 30/05/2023. **Co-investigator.**
- 12) Temporal and storage effects on dimensional stability of 3D printed mandible models. USM Short term grant. RM11,000.00. 01/06/2022 – 31/05/2024. **Co-investigator.**

PUBLICATIONS

- 1) **Abdullah, J.Y.**, Abdullah, A.M., Zaim, S., Hadi, H., Husein, A., Rajion, Z.A., & Abdullah, J.M. (2024). Three-dimensional analysis of reconstructed skulls using three different open-source software versus commercial software. *Proceedings of the Institution of Mechanical Engineers. Part H, Journal of Engineering in Medicine*. 238 (1), 55-62.

- 2) Huqf, M.Z.U.; **Abdullah, J.Y.**; AL-Rawas, M.; Husein, A.; Ahmad, W.M.A.W.; Jamayet, N.B.; Genisa, M.; Yahya, M.R.B. Development of Artificial Neural Network-Based Prediction Model for Evaluation of Maxillary Arch Growth in Children with Complete Unilateral Cleft Lip and Palate. *Diagnostics*. 2023; 13 (19), 3025.
- 3) Abdul Rahman, F.S.; Abdullah, A.M.; Radhi, A.; Shahidan, W.N.S.; **Abdullah, J.Y.** (2023) Physicochemical Characterization of Thermally Processed Goose Bone Ash for Bone Regeneration. *J. Funct. Biomater.*14, 351.
- 4) Riaz, S., Khamis, M. F. B., Ahmad, W. M. A. B. W., **Abdullah, J. Y.**, & Alam, M. K. (2023). Potential use of the cusp and crown areas of the maxillary posterior teeth measured with a two-dimensional stereomicroscope for sex determination. *Forensic Science, Medicine, and Pathology*, 10.1007/s12024-023-00651-0. Advance online publication
- 5) Samiya Riaz, Mohd Fadhli Khamis, **Johari Yap Abdullah**, Wan Muhammad Amir Wan Ahmad, Mohammad Khursheed Alam (2023). Uniqueness of Groove Patterns of Maxillary Posterior Teeth in Human Identification. *Malaysian Journal of Microscopy*. 19(1), 108-117.
- 6) Genisa M, **Abdullah JY**, Yusoff BM, Arief EM, Hermana M, Utomo CP. Adopting Signal Processing Technique for Osteoporosis Detection Based on CT Scan Image. *Applied Sciences*. 2023; 13(8):5094.
- 7) Lubna Shirin, Tahamina Begum, Mohammed Shahjahan Kabir, Nor Farid Mohammed Noor, Hadif Zaidin Samsudin, Rehana Basri, **Johari Yap Abdullah**, Aminul Islam (2023). Facial dimension on three-dimensional computed tomography in patients with epilepsy: A preliminary study. *Bangladesh Journal of Medical Science*, 22(1): 97-104. <https://doi.org/10.3329/bjms.v22i1.61859>
- 8) Joanna Nicolette Gavras, **Johari Yap Abdullah**, Mijin Choi, Ilser Turkyilmaz (2023). Trueness and precision of an intraoral scanner in digitally copying complete dentures. *Journal of Dental Sciences* (Article-in-press).
- 9) Mohamed Zahoor Ul Huqf, **Johari Yap Abdullah**, Ling Shing Wong, Nafij Bin Jamayet, Mohammad Khursheed Alam, Qazi Farah Rashid, Adam Bin Husein, Wan Muhamad Amir Bin W Ahmad, Sumaiya Zabin Eusufzai, Somasundaram Prasad, Vetriselvan Subramaniam, Neeraj Kumar Fuloria, Shivkanya Fuloria, Mahendran Sekar, Siddharthan Selvaraj (2022). Clinical Applications of Artificial Intelligence and Machine Learning in Children with Cleft Lip and Palate—A Systematic Review. *International Journal of Environmental Research and Public Health*. 19 (17): 10860.
- 10) Mohamed Zahoor Ul Huqf, **Johari Yap Abdullah**, Taseef Hasan Farook, Nafij bin Jamayet, Anand Marya (2022). A current update on the use of intraoral scanners in dentistry – A review of literature. *International Journal of Clinical Dentistry*. 15(3): 503-518.

- 11) Farah Rashid, Nafij Bin Jamayet, Tassef Hasan Farook, Matheel AL-Rawas, Aparna Barman, Yanti Johari, Tahir Yusuf Noorani, **Johari Yap Abdullah**, Sumaiya Zabin Eusufzai, Mohammad Khursheed Alam (2022). Color variations during digital imaging of facial prostheses subjected to unfiltered ambient light and image calibration techniques within dental clinics: An in vitro analysis. *PLoS ONE*. 17(8): e0273029.
- 12) **Abdullah JY**, Moraes C, Saidin M, Rajion ZA, Hadi H, Shahidan S, Abdullah JM. Forensic Facial Approximation of 5000-Year-Old Female Skull from Shell Midden in Guar Kepah, Malaysia. *Applied Sciences*. 2022; 12(15):7871.
- 13) Abdul Manaf Abdullah, Nor Azura Mohamed, Suzana Yahya, **Johari Yap Abdullah**, Naresh Kumar Samy (2022). Reimagining innovation in cranial reconstruction: Virtual planning and cost effectiveness of additive manufacturing. *AIP Conference Proceedings* 2454, 060033.
- 14) Abdullah Abdulkhaleq Alselwi, Mohd Fadhli Bin Khamis, **Johari Yap Abdullah** (2022). Validity and reliability of palatal rugae morphometric assessment with 3D laser scanned models. *Brazilian Journal of Oral Sciences*, 21: e225924.
- 15) Shirin, L., Noor, N. F. M., Begum, T., Samsudin, H. Z., Basri, R., **Abdullah, J. Y.**, Kabir, M. S., & Alam, M. K. (2021). Intracranial Brain Volume (ICV) Measurement in Epileptic Male Patient: A 3D CT Study. *Journal of Medicine*, 22(2), 95–99.
- 16) Noor NFM, Shirin L, Begum T, Samsudin HZ, Basri R, Alam MK, Kabir S, **Johari Yap Abdullah** (2021). Measurement of skull bone thickness in epileptic male: A 3D CT scan study. *International Medical Journal*, 28(4): 387-390.
- 17) **Abdullah, J.Y.**; Abdullah, A.M.; Hueh, L.P.; Husein, A.; Hadi, H.; Rajion, Z.A. Cranial Implant Design Applying Shape-Based Interpolation Method via Open-Source Software. *Appl. Sci.* 2021, 11, 7604. doi.org/10.3390/app11167604
- 18) Mousa, M. A., **Abdullah, J. Y.**, Jamayet, N. B., Alam, M. K., & Husein, A. (2021). Biomechanical Stress in Obturator Prostheses: A Systematic Review of Finite Element Studies. *BioMed Research International*, 2021, 6419774. doi:10.1155/2021/6419774.
- 19) Taseef Hasan Farook, Nafij Bin Jamayet, **Johari Yap Abdullah**, Mohammad Khursheed Alam (2021). Machine Learning and Intelligent Diagnostics in Dental and Orofacial Pain Management: A Systematic Review. *Pain Research and Management*, Volume 2021, Article ID 6659133.
- 20) Cicero André da Costa Moraes, Rodrigo Dornelles, Everton da Rosa, **Johari Yap Abdullah**, Jafri Malin Abdullah (2021). Conversão de Malhas 3D em Arquivos DICOM com o OrtogOnBlender. In book: OrtogOnLineMag #2 (pp.81-87). Publisher: Cicero André da Costa Moraes.
- 21) Taseef Hasan Farook, Farah Rashid, Nafij Bin Jamayet, **Johari Yap Abdullah**, James Dudley, Mohammad Khursheed Alam (2021). A virtual

analysis of the precision and accuracy of 3-dimensional ear casts generated from smartphone camera images. *The Journal of Prosthetic Dentistry*. Article in press (Published 26 Feb 2021).

- 22) **Johari Yap Abdullah**, Mokhtar Saidin, Zainul Ahmad Rajion, Helmi Hadi, Norshahidan Mohamad, Cicero Moraes, Jafri Malin Abdullah (2021). Using 21st-Century Technologies to Determine the Cognitive Capabilities of a 11,000-Year-Old Perak Man Who Had Brachymesophaalangia Type A2. *Malays J Med Sci*. 28(1): 1-8. Online 24 Feb 2021.
- 23) Taseef Hasan Farook, **Johari Yap Abdullah**, Nafij Bin Jamayet, Mohammad Khursheed Alam (2021). Percentage of mesh reduction appropriate for designing digital obturator prostheses on personal computers. *The Journal of Prosthetic Dentistry*. Article in press (Published 15 Feb 2021).
- 24) Taseef Hasan Farook, Aparna Barman, **Johari Yap Abdullah**, Nafij Bin Jamayet (2020). Optimization of Prosthodontic Computer-Aided Designed Models: A Virtual Evaluation of Mesh Quality Reduction Using Open Source Software. *Journal of Prosthodontics*. (Ahead of print) jopr.13286.
- 25) Chin Hwee Goh, **Johari Yap Abdullah**, Zamzuri Idris, Abdul Rahman Izaini Ghani, Jafri Malin Abdullah, Albert Sii Hieng Wong, John Tharakan, Salmah Mar Win (2020). Detailed Anatomical Volumetric Study of Deep Nuclei of Brain and Other Structures Between Parkinson's Disease Patients Who Had Deep Brain Stimulation and Control Group. *Malaysian Journal of Medical Sciences*, 27(3): 53-60.
- 26) Taseef Hasan Farook, Nafij Bin Jamayet, **Johari Yap Abdullah**, Jawaad Ahmed Asif, Zainul Ahmad Rajion, Mohammad Khursheed Alam (2020). Designing 3D prosthetic templates for maxillofacial defect rehabilitation: A comparative analysis of different virtual workflows. *Computers in Biology and Medicine*, 118 (2020):103646.
- 27) Shukriyah Sulong, Azmi Alias, Fadzlishah Johanabas, **Johari Yap Abdullah**, Badrisyah Idris (2020). Intracranial Volume Post Cranial Expansion Surgery Using Three-Dimensional Computed Tomography Scan Imaging in Children With Craniosynostosis. *Journal of Craniofacial Surgery*, 31(1): 46-50
- 28) Mahmud Mohammed, Norma Binti Ab Rahman, Ahmad Hadif Zaidin Bin Samsudin, **Johari Yap Abdullah** (2020). Quantification of Metal Artefacts from Orthodontic Brackets in CT Images: A Modified Method, *Archives of Orofacial Sciences*, published ahead of print
- 29) T.H. Farook, Nafij bin Jamayet*, **J.Y. Abdullah**, Z.A. Rajion, M.K. Alam (2020). A systematic review of the computerized tools and digital techniques applied to fabricate nasal, auricular, orbital and ocular prostheses for facial defect rehabilitation. *Journal of Stomatology, Oral and Maxillofacial Surgery*, 121(3): 268-277.
- 30) **Johari Yap Abdullah**, Abdul Manaf Abdullah, Helmi Hadi, Adam Husein,

Zainul Ahmad Rajion (2019) – Comparison of STL skull models produced using open-source software versus commercial software. *Rapid Prototyping Journal*. 25(10), 1585-1591.

- 31) Shukriyah Sulong, Azmi Alias, Fadzlishah Johanabas, **Johari Yap Abdullah**, Badrisyah Idris (2019) – Intracranial Volume Post Cranial Expansion Surgery Using Three-Dimensional Computed Tomography Scan Imaging in Children with Craniosynostosis. *Journal of Craniofacial Surgery*. 31(1), 46-50.
- 32) Peh Hueh Low, **Johari Yap Abdullah**, Abdul Manaf Abdullah, Suzana Yahya, Idris Zamzuri, Dasmawati Mohamad (2019) – Patient-Specific Reconstruction Utilizing Computer Assisted 3D Modelling for Partial Bone Flap Defect in Hybrid Cranioplasty. *Journal of Craniofacial Surgery*. 30(8), e720-e723.
- 33) **Johari Yap Abdullah**, Zainul Ahmad Rajion, Arvind Gerard Martin, Azlan Jaafar, Abdul Rahman Izaini Ghani, Jafri Malin Abdullah (2019) – Shape-based Interpolation Method in Measuring Intracranial Volume for Pre- and Post-Operative Decompressive Craniectomy using Open Source Software. *Neurocirugia*. 30(3), 115-123.
- 34) Salina Kassim, Raudlotul Firdaus Fatah Yasin, **Johari Yap**, Taufiq Yap Yun Hin. Book chapter (2018) – Contemporary Issues in Islamic Thought. Economic Empowerment of the Chinese Muslim Community in Malaysia: Challenges, Opportunities and Prospects. *IIUM Press* (chapter 1, pp. 1-20). ISBN 978-967-491-008-2
- 35) Nafij Bin Jamayet, **Johari Yap Abdullah**, Ahmed Mushfiquir Rahman, Adam Husein, Mohammad Khursheed Alam (2018). A fast and improved method of rapid prototyping for ear prosthesis using portable 3D laser scanner. *Journal of Plastic, Reconstructive & Aesthetic Surgery*. 71(6), 946-953.
- 36) Abdul Majeed, Abd Rahni Mt Piah, Muhammad Rafique, **Johari Yap Abdullah**, Zainul Ahmad Rajion (2017). NURBS curves with the application of multiple bones fracture reconstruction. *Applied Mathematics and Computation*. 315, 70-84.
- 37) Marzuki Omar, Chiang Kai Wen, Aqilah Najwa, **Johari Yap Abdullah** (2018) – Correlation of Area Size of Orbital Floor Defect and Choice of Implant Material. *Regenerative Research*. 7(1), 75. <https://regres.tesma.org.my/pdf/RR-020618-075.pdf>
- 38) Nafij B Jamayet, **Yap J Abdullah**, Zainul A Rajion, Adam Husein, Mohammad K Alam (2017). New Approach to 3D Printing of Facial Prostheses Using Combination of Open Source Software and Conventional Techniques: A Case Report. *The Bulletin of Tokyo Dental College*. 58(2), 117-124
- 39) Abdul Majeed, Abd Rahni Mt Piah, Zainor Ridzuan Yahya, **Johari Yap Abdullah**, Muhammad Rafique (2017). Construction of occipital bone fracture using B-spline curves. *Computational and Applied Mathematics*. 5(14), 1-20

- 40) Tengku Noor Daimah Tengku Din, Nafij Jamayet, Zainul Ahmad Rajion, Norhayati Luddin, **Johari Yap Abdullah**, Abdul Manaf Abdullah, and Suzana Yahya (2016). Design and fabrication of facial prostheses for cancer patient applying computer aided method and manufacturing (CAD/CAM). *AIP Conference Proceedings* 1791, 020003 (2016)
- 41) **Johari Yap Abdullah**, Marzuki Omar, Helmi Mohd Hadi Pritam, Adam Husein, Zainul Ahmad Rajion (2016). Comparison of 3D reconstruction of mandible for pre-operative planning using commercial and open-source software. *AIP Conference Proceedings* 1791, 020001 (2016)
- 42) Low Peh Hueh, **Johari Yap Abdullah**, Abdul Manaf Abdullah, Suzana Yahya, Zamzuri Idris, Dasmawati Mohamad (2016). Patient-specific reconstruction utilizing computer assisted 3D modelling for partial bone flap defect in hybrid cranioplasty. *AIP Conference Proceedings* 1791, 020020 (2016)
- 43) Jaswinder Singh, Roselinda Ab Rahman, Zainul Ahmad Rajion, **Johari Abdullah**, Irfan Mohamad (2017). Orbital Morphometry: A Computed Tomography Analysis. *Journal of Craniofacial Surgery*. 28(1), e64-e70
- 44) Haider Ali Hassan, Mohammad Khursheed Alam, **Johari Yap Abdullah**, Junzaburo Nakano, Tatsunori Yusa, Asilah Yusof, Naoto Osuga (2016). 3D CT Morphometric Analysis of Sella Turcica in Iraqi Population. *Journal of Hard Tissue Biology* 25(3), 227-232
- 45) **Johari Yap Abdullah**, Zainul Ahmad Rajion, Marzuki Omar (2015). Biomodelling of Cranio-maxillofacial Implant Applying Open Source Software. *Jurnal Teknologi*, 76(7), 57-61
- 46) Arvind G. Martin, **Johari Yap Abdullah**, Azlan Jaafar, Abdul Rahman Izaini Ghani, Zainul A. Rajion, Jafri Malin Abdullah (2015). Addition of zygomatic arch resection in decompressive craniectomy. *Journal of Clinical Neuroscience*. 22(4), 735-739
- 47) **Johari Yap Abdullah**, Mary Chieng Ching Ru, Lee Geok Fong, Abdullah Pohchi, Azlan Jaafar, Zainul Ahmad Rajion (2014). Volumetric Assessment of Ameloblastoma Applying Open Source Software and ABC/2 Estimation Technique. *International Medical Journal*, 21(5), 487-489