

Selected Publications

1. **Al Kawas**, Al-Rawi, Talaat, Hamdoon, Salman, Al Bayatti, Jerjes, Samsudin. Post COVID-19 Lockdown: Measures and Practices for Dental Institutes. **BMC Oral Health Journal**, *Accepted October 2020*.
2. Al Qabbani, Wahby, Hasan, Samsudin, **Al Kawas**, Clinical and Radiological Evaluation of Sinus Membrane Osteogenicity Subsequent to Internal Sinus Lifting and Implant Placement. **The Journal of Craniofacial Surgery (2020) 31(3)**, e233-e236.
3. Al-Marzooq F, Al Bayat SH, Sayyar F, Ishaq H, Nasralla H, Koutaich R, and **Al Kawas S**, Can probiotic cleaning solutions replace chemical disinfectants in dental clinics? **Euro J Dent**, **12 (4):532-539, 2018**.
4. Al Qabbani A, **Al Kawas S**, Enezei H, A Razak NH, Al Bayatti Wahby S, Samsudin R, Ab Hamid S, Biomechanical and radiological assessment of immediate implants for alveolar ridge preservation, **Dental Research Journal**, **15 (6): 420-429, 2018**.
5. Abdulhameed EA, Al-Rawi NH, Omar M, Khalifa N, **Samsudin ABR**. 2022. Titanium dioxide dental implants surfaces related oxidative stress in bone remodeling: a systematic review. PeerJ 10:e12951 <https://doi.org/10.7717/peerj.12951>
6. Amal Arab, K.G. Aghila Rani Roa T Altell, Asmaa A. Ismail, Sausan Alkawas, **A.R. Samsudin**, The efficacy of salivary Histatin-1 protein in wound closure of nicotine treated human periodontal ligament fibroblast cells – *In vitro* study. Archives of Oral Biology 141 (2022) 105486. <https://doi.org/10.1016/j.archoralbio.2022.105486>
7. Saaid, Al Shehadat' Ensanya, A. Abou Neel' Suzina, Sheikh Abdul Hamid' Nurul, Asma Abdullah' **Samsudin**, Abdul Rani' Azlina, Ahmad. Odontogenic induction of human amniotic membrane scaffold for dental pulp regeneration [Materials Chemistry and Physics](#) 2022. Volume 28015 Article number 125780. DOI: 10.1016/j.matchemphys.2022.125780.
8. Aqsa Kamal, Marzuki Omar, **A.R. Samsudin**. Management of Dry Socket: New regenerative techniques emerge while old treatment prevails. Dentistry Review 2 (2022) 100035. <https://doi.org/10.1016/j.dentre.2022.100035>.

9. Mariam Ali AlHarthia, S. Soumya, Aghila Rani, Waad Kheder, **A.R. Samsudin**. Impact of exposure of human osteoblast cells to titanium dioxide particles in-vitro. Journal of Oral Biology and Craniofacial Research. (2022) <https://doi.org/10.1016/j.jobcr.2022.08.024>
10. Srinivasulu V; Schilf P; Ibrahim S ; Shehadi I ; Malik O; Sieburth S, Scott; Khanfar M; **Hamad M, Mohamad**; Abu-Yousef I; Majdalawieh A; Al-Tel, T. A Divergent Strategy for Diastereocontrolled Synthesis of Small- and Medium-Ring Architectures. J. Org. Chem. 2020, 85, 16, 10695–10708.
11. **Hamad M, Al-Marzooq F, Orive G, Al-Tel TH. 2019. Superbugs but no drugs: steps in averting a post-antibiotic era. Drug Discovery Today. Aug 16 2019. pii: S1359-6446(19)30315-0. doi: 10.1016/j.drudis.2019.08.004.**
12. **Ruan X, Monjarás Feria J, Hamad M, Valvano MA. 2018. Escherichia coli and Pseudomonas aeruginosa lipopolysaccharide O-antigen ligases share similar membrane topology and biochemical properties. Molecular Microbiology. Oct;110(1):95-113.**
13. **Fathy Mohamad Y, Hamad M, Ortega XP, Valvano MA. 2017. The LpxL acyltransferase is required for normal growth and penta-acylation of lipid A in Burkholderia cenocepacia. Molecular Microbiology. Apr;104(1):144-162.**
14. Di Lorenzo F, Kubik Ł, Oblak A, Lorè NI, Cigana C, Lanzetta R, Parrilli M, **Hamad MA**, De Soyza A, Silipo A, Jerala R, Bragonzi A, Valvano MA, Martín-Santamaría S, Molinaro A. 2015. Activation of Human Toll-like Receptor 4 (TLR4)·Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of Burkholderia cenocepacia. Journal of Biological Chemistry. 290(35):21305-21319.
15. The effect of metronidazole plus amoxicillin or metronidazole plus penicillin V on periodontal pathogens in an in vitro biofilm model. Gabriela Dabija-Wolter, Sundus Saad Al-Zubaydi, **Marwan MA Mohammed**, Vidar Bakken, Anne Isine Bolstad Clinical and experimental dental research 4 (1), 6-12
16. Quantitative proteomic analysis of extracellular matrix extracted from mono- and dual-species biofilms of *Fusobacterium nucleatum* and *Porphyromonas gingivalis* **MMA Mohammed**, VK Pettersen, AH Nerland, HG Wiker, V Bakken. Anaerobe 44, 133-142
17. Soliman, S. S. M., Hamdy, R., Elseginy, S. A., Gebremariam, T., Hamoda, A.M., **Mohamed Madkour**, Thenmozhi Venkatachalam, Mai N Ershaid, Mohammad G Mohammad, Georgios Chamilos, Ashraf S Ibrahim (2020). Selective inhibition of Rhizopus eumelanin biosynthesis by novel natural product scaffold-based designs caused significant inhibition of fungal pathogenesis. Biochemical Journal, 477(13), 2489-2507.

18. Al-Rawi, N., **Madkour, M.**, Jahrami, H., Salahat, D., Alhasan, F., BaHammam, A., & Al-Islam Faris, M. e. (2020). Effect of diurnal intermittent fasting during Ramadan on ghrelin, leptin, melatonin, and cortisol levels among overweight and obese subjects: A prospective observational study. *PLoS one*, 15(8), e0237922.
19. Touil, H. F., K. Boucherit, Z. Boucherit-Otmani, G. Kohder, **M. Madkour**, and S. S. Soliman (2020). "Optimum inhibition of amphotericin-b-resistant *Candida albicans* strain in single-and mixed-species biofilms by *Candida* and non-*Candida* terpenoids." *Biomolecules* **10**(2): 342.
20. **Madkour, M. I.**, A. T. El-Serafi, H. A. Jahrami, N. M. Sherif, R. E. Hassan, and S. Awadallah (2019). "Ramadan diurnal intermittent fasting modulates SOD2, TFAM, Nrf2, and sirtuins (SIRT1, SIRT3) gene expressions in subjects with overweight and obesity." *Diabetes research and clinical practice* **155**: 107801.
21. **Madkour, M. I.**, Mo'ez Al-Islam, E. F., A. K. Obaideen, E. Z. Dalah, H. A. Hasan, H. Radwan, H. A. Jahrami, O. Hamdy and M. G. Mohammad (2019). "Effect of Ramadan diurnal fasting on visceral adiposity and serum adipokines in overweight and obese individuals." *Diabetes research and clinical practice* **153**: 166-175.