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جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY
كلية طب الأسنان | College of Dentistry

IAUDENT RESEARCH BULLETIN

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RESEARCH NEWS

Congratulations

We congratulate the faculty members of COD for obtaining patents from the US Patent and Trademark Office (USPTO).



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Dr. Mohammed Gad
Prof. Ahmad Al-Thobity
Dr. Shaimaa Fouda
Dr. Reem Abualsaad
Dr. Ahmed Rahoma



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Prof. Fahad Al-Harbi
Prof. Ahmad Al-Thobity
Dr. Mohammed Gad
Dr. Shaimaa Fouda
Dr. Passent Ellakany

We are pleased to extend our congratulations to the faculty members for obtaining a patent from the US Patent and Trademark Office USPTO for the invention:

DENTURE HAVING POLISHED CAMEO SURFACE AND UNPOLISHED INTAGLIO SURFACE

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Dr. Mohammed Gad
Dr. Shaimaa Fouda
Dr. Passent Ellakany

We are pleased to extend our congratulations to the faculty members from SDS Dept for obtaining a patent from the US Patent and Trademark Office USPTO for the invention:

Method For Making Composite Denture Material

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Prof. Ahmad Al-Thobity
Dr. Mohammed Gad
Dr. Shaimaa Fouda
Dr. Passent Ellakany

We are pleased to extend our congratulations to the faculty members from SDS Dept for obtaining a patent from the US Patent and Trademark Office USPTO for the invention:

Denture Or Removable Dental Prosthetic Made from Composite Material

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Dr. Abdul Samad Khan

We are pleased to extend our congratulations to the faculty member for obtaining a patent from the US Patent and Trademark Office USPTO for the invention:

METHOD FOR CONTROLLING DENTAL CARIES AND TREATING TEETH SENSITIVITY

IAUdent IAU.dent

We congratulate the faculty members, students, and graduates of COD for winning awards in the research posters category, research proposals category, and innovation in dentistry category at the 8th Bahrain International Dental Conference and Exhibition 2023.



جامعة الإمام عبد الرحمن بن فهد
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نبارك للأعضاء هيئة التدريس، ولطلبة وذريجي كلية طب الأسنان حصولهم على ١٣ جائزة بحثية في المراكز الأولى لجميع المسابقات في مؤتمر ومعرض البحرين الدولي لطب الأسنان الثامن ٢٣ .

فئة المقترنات البحثية

المركز الأول: السنة الخامسة فيصل الحراملة
المركز الثاني: السنة السادسة إسراء الخليفة
المركز الثالث: طبيبة الامتياز د. فاطمة العطية

فئة الملصقات البحثية طالب - أطباء امتياز

المركز الأول: السنة الخامسة فيصل الحراملة
المركز الثاني: طبيبة الامتياز د. رغد الرويلي
المركز الثالث: طبيبة الامتياز د. رزان الغامدي

فئة الابتكار في طب الأسنان

المركز الأول: خريجة الكلية د. ضحى الرمضان
المركز الثاني: طبيبة الامتنان د. هاطمة الخطيرة
المركز الثالث: عضو هيئة التدريس د. أسمامة زكريا
المركز الثالث: خريجة الكلية د. أمثل الزهراني

فئة الملصقات البحثية - أطباء

المركز الأول: خريج الكلية د. مهدي الحساري
المركز الثاني: خريجة الكلية د. مياسة المسالم
المركز الثالث: خريجة الكلية د. ضحى الرمضان

Congratulations to Prof. Abdul Samad Khan, Prof. Khalid Almas, and Dr. Ashraf Nazir for being named as one of the world's top 2% of scientists in a global list released by Stanford University.



Stanford

أ.د. عبدالصمد خان
Prof. Abdul Samad Khan

تفخر الكلية بانطلاق الدكتور عبدالصمد خان ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم.

Dr. Abdul Samad Khan Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Stanford University

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Stanford

أ.د. خالدamas
Prof. Khalid Almas

تفخر الكلية بانطلاق الدكتور خالدamas ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم في فئتي الابحاث السنوية والمؤمنة.

Prof. Khalid Almas Being Named as One of the **World's Top 2% of Scientists** in a Global List, both annual and career achievements categories Released by Stanford University

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Stanford

د. أشرف نزير
Dr. Ashraf Nazir

لتفخر الكلية بانطلاق الدكتور أشرف نزير ضمن قائمة جامعة ستانفورد لأفضل 2% من علماء العالم.

Dr. Ashraf Nazir Being Named as One of the **World's Top 2% of Scientists** in a Global List Released by Stanford University

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Presentation

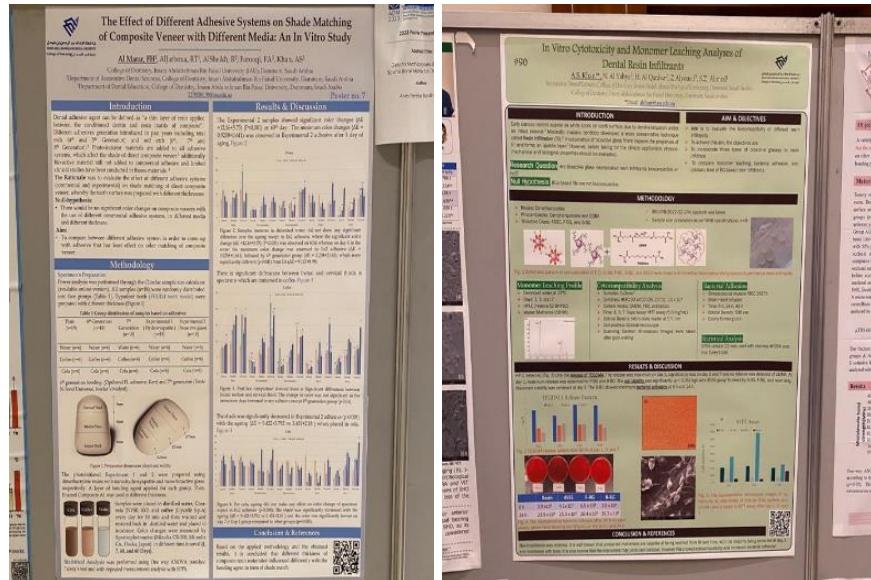
Prof. Abdul Samad Khan presented scientific paper at the 2023 Rising Star/Guiding Star Symposium of IADR APR, China and Prof. Khalid Alams presented online lecture at The Royal Australasian College of Dental Surgeons at International Committee Annual Scientific Meeting.



The innovation and entrepreneurship unit of COD conducted transformative lecture and workshop on the use of artificial intelligence in dentistry.



COD graduate Dr. Fadak Al Marar and Prof. Abdul Samad Khan presented poster at the Annual Meeting of Academy of Dental Materials, USA.



Student Research Club

We would like to thank Dr. Abdulrahman Balhaddad, Dr. Suliman Shahin, and Dr. Shahad Alameer for sharing their valuable lectures.



HOW TO WRITE AN EXCELLENT PAPER



Dr. Abdulrahman Balhaddad

JOIN US !

Clinical Certificate in Operative Dentistry, Indiana University, School of Dentistry.
Master of Science in Dentistry, Indiana University, School of Dentistry.
Ph.D. in Biomedical Sciences, the University of Maryland, Baltimore.



3 OCT 23



C1033 AT DENTAL HOSPITAL



12:00-1:00 PM



HOW TO MAKE AN EXCELLENT PRESENTATION?



Dr. Suliman Yousif Shahin

JOIN US !

Certificate of Advanced Graduate Studies (CAGS) and Doctorate of Science Degree (DScD) in orthodontics and dentofacial orthopedics from Boston University HGSMD, USA in 2015. Fellowship in Surgical and Craniofacial Orthodontics from Case Western Reserve University School of Dental Medicine, USA in 2016. Fellow of the Royal College of Dentists of Canada in orthodontics in 2013. Diplomate of the American Board of Orthodontics in 2014.



THURSDAY
9 NOV 23



C1033 AT DENTAL HOSPITAL



12:00-1:00 PM



MY RESEARCH EXPERIENCE !



Dr. Shahad Alameer

JOIN US !

Dental Intern
Imam Abdulrahman bin Faisal University



THURSDAY
7 DEC 23



C1033 AT DENTAL HOSPITAL



12:00-1:00 PM



INDEXED FACULTY PUBLICATIONS

- 1 [Three-dimensional morphometric analysis of anterior cranial base in growing patients.](#)

Jhamb T, AlSulaiman A, Parsi G, Will L, Motro M.
Am J Orthod Dentofacial Orthop. 2023 Oct;164(4):530-536.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 2 [Multinational study on profile preference of laypersons.](#)

Taee A, Alsulaiman A, et al.
J World Fed Orthod. 2023 Oct;12(5):220-228.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 3 [The Relationship between Unilateral Palatal Maxillary Canine Impaction and the Morphology of the Maxilla: A CBCT Study in Eastern Province of Saudi Arabia.](#)

Shahin SY, Tabassum A, Fairozekhan AT, Tuwaylib AA, Al-Sheyoukh S, Alzaher S, Siddiqui IA, Alhareky M.
Eur J Dent. 2023 Oct;17(4):1043-1050.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 4 [Potential Applications of Ionic Liquids in Dentistry: A Narrative Review.](#)

Munir N, Awang RA, Muhammad N, Ismail NH, Khan AS, Inayat N.
ChemBioEng Rev. 2023;10(6):1073–1082
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 5 [The effect of three dental cement types on the corrosion of dental implant surfaces.](#)

Alhamad M, Barão VAR, Sukotjo C, Mathew MT.
Heliyon. 2023 Dec 16;10(1):e23626.
Indexing: Scopus: ● Web of Science: ● PubMed: ●

- 6 [Integrated RNA-sequencing and network analysis approach to identify the Hub genes and vital pathways associated with gastric cancer.](#)
Mohammed RA, Pandurangam G, Doss GP, Kamaraj B, Selvaraj G.
J Pharm Pharmacogn Res. 2023;11(6):1017-43.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 7 [Angiotensin\(1-7\) attenuates tooth movement and regulates alveolar bone response during orthodontic force application in experimental animal model.](#)
Abuohashish H, Shahin S, Alamri A, Salloot Z, Alhawaj H, Omar O.
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Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 8 [Comparative evaluation of parental perceptions of the oral health related quality of life of autistic and non-autistic children after full mouth rehabilitation under general anesthesia.](#)
Aswad NA, Abushanan A, Ali S.
J Med Sci. 2023 Oct;31(4):290-4.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 9 [Musculoskeletal disorders among dental students: a survey from Saudi Arabia.](#)
AlSahiem J, Alghamdi S, AlQahtani R, Bin-Jardan L, AlMadani D, Farooqi FA, Gaffar B.
BMC Oral Health. 2023 Oct 25;23(1):795.
Indexing: Scopus: ● Web of Science: ● PubMed: ●

- 10 [Comparative Evaluation of TiO₂ Nanoparticle Addition and Postcuring Time on the Flexural Properties and Hardness of Additively Fabricated Denture Base Resins.](#)
AlGhamdi MA, Fouda SM, Taymour N, Akhtar S, Khan SQ, Ali MS, Elakel AM, Nassar EA, Gad MM.
Nanomaterials (Basel). 2023 Nov 30;13(23):3061.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 11 [Impact of Protracted War Crisis on Dental Students: A Comparative Multicountry Cross-sectional Study.](#)
Joury E, Barngkgei I, Al-Batayneh OB, El Tantawi M, Alhaffar BAM, Alshalabi F, Aly NM, Al-Nahlawi T, Abdalgawad F, Bourzgui F, Berrezouga L, Amran AG, Al-Ansari A, et al.
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Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 12 [A scoping review on the links between sustainable development goal 14 and early childhood caries.](#)
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BMC Oral Health. 2023 Nov 18;23(1):881.
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- 13 [A scoping review linking early childhood caries to violence, neglect, internally displaced, migrant and refugee status.](#)
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- 14 [The Effect of Salbutamol and Budesonide Pediatric Doses on Dental Enamel and Packable and Flowable Composites: Microhardness, Surface Roughness and Color.](#)
Ibrahim MS, Alatiyyah FM, Mohammed KA, Alhawaj HN, **Balhaddad AA**, Ibrahim AS.
Pharmaceutics. 2023 Oct 25;15(11):2527.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 15 [Comparison between Different Bulk-Fill and Incremental Composite Materials Used for Class II Restorations in Primary and Permanent Teeth: In Vitro Assessments.](#)
Ibrahim MS, AlKhalefah AS, Alsaghiraat AA, Alburayh RA, Alabdullah NA.
Materials (Basel). 2023 Oct 13;16(20):6674.
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- 16 [Oral microbiota analyses of paediatric Saudi population reveals signatures of dental caries.](#)
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- 17 [Chronic caffeine intake alters collagen deposition in long bones: an experimental preliminary study.](#)
Abuohashish HM.
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- 18 [Biotechnological and pharmacological assessment of pyocyanin from marine *Pseudomonas otitidis* EGY-NIOF-A1 as an antimicrobial agent against clinical pathogens.](#)
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Rifaat S, Aljami A, Alshehri T, T Alameer S, Aldossary A, Almutairi W, N Almaliki M, A Farooqi F, Taymour N.
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Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 20 [Fragment Reattachment: A 4-Year Case Report of Uncomplicated Dental Fractures.](#)
Almulhim KS, Oliveira-Haas L.
Int J Periodontics Restorative Dent. 2023 Nov 3;43(6):707-703.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 21 [Biochar-layered double hydroxide composites for the adsorption of tetracycline from water: synthesis, process modeling, and mechanism.](#)
Zubair M, Manzar MS, Ahmed SZ, et al.
Environ Sci Pollut Res Int. 2023 Oct;30(50):109162-109180.
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- 23 [Clinical Trials of Materials for Medical Applications—Materials Testing for Toxicity, Efficacy, Disease Treatment, and Diagnosis in Humans \(Clinical Trial Phase I, Phase II, Phase III, and Phase IV\).](#)
Iftikhar S, Ashraf H, Faridi MA, Khan M, Khan AS.
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- 24 [Dental Adhesives: State-of-the-Art, Current Perspectives, and Promising Applications.](#)
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Adhesives in Biomedical Applications. 2023 Oct 2:253-77.
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- 25 [Expansion of the sagittal suture induces proliferation of skeletal stem cells and sustains endogenous calvarial bone regeneration.](#)
Aldawood ZA, Mancinelli L, Geng X, et al.
Proc Natl Acad Sci U S A. 2023;120(16):e2120826120.
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- 26 [Wearing orthodontic appliances may not impact oral health-related quality of life \(OHRQoL\) of children and adolescents.](#)
Bakhurji E.
J Evid Based Dent Pract. 2023 Dec;23(4):101912.
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- 27 [Teledentistry from research to practice: a tale of nineteen countries.](#)
El Tantawi M, Lam WYH, Ellakany P, et al.
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- 28 [Characterization, and Investigation of Novel Ionic Liquid-Based Tooth Bleaching Gels: A Step towards Safer and Cost-Effective Cosmetic Dentistry.](#)
Satti MK, Nayyer M, Khan AS, et al.
Molecules. 2023;28(7):3131.
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- 29 [Associations between Mental Health and COVID-19 Status among 18-and 19-Year-Old Adolescents: A Multi-Country Study.](#)
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Adolescents. 2023 Feb 16;3(1):131-40.
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- 30 [Chronic caffeine intake alters collagen deposition in long bones: an experimental preliminary study.](#)
Abuohashish HM.
Arab J Basic Appl Sci. 2023 Dec 31;30(1):626-35.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 31 [Biotechnological and pharmacological assessment of pyocyanin from marine *Pseudomonas otitidis* EGY-NIOF-A1 as an antimicrobial agent against clinical pathogens.](#)
Abuohashish HM, El Sharkawy AS.
Curr Res Biotechnol. 2023;6:100156.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 32 [Forecasting Teeth Cavities By Convolutional Neural Network.](#)
Wang T, Aqeel M, Al Dehailan L, et al.
In 2023 IEEE Conference on Artificial Intelligence (CAI) 2023 (pp. 109-111).
IEEE.
Indexing: Scopus: ● Web of Science: ● PubMed: ●

- 33 [Social media information and its association with the adoption of COVID-19 preventive measures in four Latin American countries.](#)
Zuñiga RAA, Melendez CAC, Ellakany P, et al.
Rev Comm. 2023;23(3):247-262.
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- 34 [Child dental neglect and legal protections: a compendium of briefs from policy reviews in 26 countries and a special administrative region of China.](#)
Foláyan MO, Ramos-Gomez F, Ellakany P, et al.
Front Oral Health. 2023 Oct 20;4:1211242.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 35 [Polymethylmethacrylate-Based Nanocomposites for Denture Base Fabrication: Impact of Nanoparticle Type and Concentration on the Color Change In Vitro.](#)
Emam AN, Azmy EA, Reda Zaki Al-kholy M, Gad MM, et al.
Int J Dent. 2023;2023.
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- 36 [Effect of Different Occlusal Tooth Forms of Mandibular Overdenture Retained by an Immediate Loaded Single Implant on the Masticatory Efficiency and Oral Health-Related Quality of Life.](#)
Emam AM, Kassem M, Harby N, Abdel-Fattah Agha MS, Gad MM, et al.
J Int Soc Prev Community Dent. 2023 Oct 30;13(5):394-401.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
- 37 [Computational Genomics and Structural Bioinformatics in Personalized Medicines.](#)
Doss CGP, Kumar DT, Kamaraj B.
Front Med. 2023. Volume II.
Indexing: Scopus: ● Web of Science: ● PubMed: ●

INDEXED STUDENT PUBLICATIONS

Name	Title & Journal
1. AlSahiem J, Alghamdi S, AlQahtani R, Bin- Jardan L, AlMadani D, Farooqi FA, Gaffar B.	<u>Musculoskeletal disorders among dental students: a survey from Saudi Arabia.</u> BMC Oral Health. 2023 Oct 25;23(1):795. Indexing: Scopus: ● Web of Science: ● PubMed: ●
2. Ibrahim MS, Alatiyyah FM, Mohammed KA, Alhawaj HN, Balhaddad AA, Ibrahim AS.	<u>The Effect of Salbutamol and Budesonide Pediatric Doses on Dental Enamel and Packable and Flowable Composites: Microhardness, Surface Roughness and Color.</u> Pharmaceutics. 2023 Oct 25;15(11):2527. Indexing: Scopus: ● Web of Science: ● PubMed: ●
3. Ibrahim MS, AlKhalefah AS, Alsaghirat AA, Alburayh RA, Alabdullah NA.	<u>Comparison between Different Bulk-Fill and Incremental Composite Materials Used for Class II Restorations in Primary and Permanent Teeth: In Vitro Assessments.</u> Materials (Basel). 2023 Oct 13;16(20):6674. Indexing: Scopus: ● Web of Science: ● PubMed: ●
4. Al-Khafaji MQM, Althobaiti NSA, Alharamlah FSS, et al.	<u>The Application and Efficacy of Hyaluronic Acid Fillers for Chin Enhancement and Retrusive Correction: A Systematic Review of Patient-Reported Outcomes.</u> Cureus. 2023 Nov 14;15(11):e48807. Indexing: Scopus: ● Web of Science: ● PubMed: ●

5. Al-Tamimi E, Al-Qahtani H, Alshehri A, et al. [Prevalence Assessment Of Gingival Black Triangles Following Fixed Orthodontic Appliance Treatment Among Patients In Saudi Arabia.](#)
Annals of Dental Specialty 2023;11:11.
Indexing: Scopus: ● Web of Science: ● PubMed: ●
6. Alhadad A, Alhazmy A, Alshehri A, et al. [Knowledge And Attitude Assessment Regarding The Prosthodontic Management Of Amelogenesis Imperfecta.](#)
Annals of Dental Specialty 2023;11:11.
Indexing: Scopus: ● Web of Science: ● PubMed: ●

IN PRESS PUBLICATIONS

#	Authors	Title	Publisher & Date
1	Alzoubi FM, Sabti M, Alsarraf E, Alshahrani FA, Sadowsky SJ.	Evaluation of two implant-supported fixed partial denture abutment designs: Influence on screw surface characteristics.	Journal of Prosthodontics. 2023.
2	Gad MM, Abualsaud R.	Effect of repair and surface treatments on the strength of digitally fabricated resin-based dental prostheses: A systematic review of in vitro studies.	Journal of Dentistry. 2023.
3	Fouda SM, Gad MM, Abualsaud R, et al.	In Vitro Evaluation of Candida albicans Adhesion and Related Surface Properties of CAD/CAM Denture Base Resins.	European Journal of Dentistry. 2023.
4	Fouda SM, Gad MM, Ellakany P, et al.	Influence of denture brushing on the surface properties and color stability of CAD-	Journal of Prosthodontics. 2023.

		CAM, thermoformed, and conventionally fabricated denture base resins.
5	Gad MM, Fouda SM.	Factors affecting flexural strength of 3D-printed resins: A systematic review.
6	Elrahim RA, Shown A, Abualsaud R, et al.	Impact of different chemical denture cleansers on the properties of digitally fabricated denture base resin materials.
7	Turri A, Omar O, Trobos M, Thomsen P, Dahlin C.	Modulation of gene expression and bone formation by expanded and dense polytetrafluoroethylen e membranes during guided bone regeneration: An experimental study.
8	Al-Suhaimi EA, Akhtar S, Alrumaih HS, et al.	A crosstalk between 'osteocyte lacunal- canalicular system' and metabolism.
		Journal of Prosthodontics. 2023.
		Journal of Prosthodontics. 2023.
		Clinical Implant Dentistry and Related Research. 2023.
		Advances in Protein Chemistry and Structural Biology. 2023.

- 9 Tabassum A.** Alveolar Bone Loss in Diabetic Patients: A Case-Control Study. European Journal of Dentistry. 2022.
- 10 Aljubran H, Alshammary H, Alamoudi M, Alramadan H, Nazir M, Gad MM.** Denture care and oral health-related quality of life among complete denture wearers in Eastern Province of Saudi Arabia. International Journal of Dental Hygiene. 2023.
- 11 Madi M, Sadaf S, Aldawood Z, Asiri A, Alhumaid J, Abdelsalam M.** Peer evaluation as an alternative assessment method for case presentations: Dental students' perceptions. Journal of Dental Education. 2023.
- 12 Al Kuwaiti A.** Undergraduate students' halfway experience about the quality of dental education programs: An exploratory study of selected public dental schools in Saudi Arabia. Saudi Journal of Medicine & Medical Sciences. 2023.

- 13 Madi M, Tabassum A, Attia D, Al Muhaish L, Al Mutiri H, Alshehri T, Zakaria O, Aljandan B.** Knowledge and attitude of dental students regarding etiology, diagnosis, and treatment of peri-implantitis. *Journal of Dental Education.* 2023.
- 14 Chatterjee S, Khan AM, Reshma VJ, et al.** The Role of Teleconsultations in Remote Oral Radiology. *Journal of Pharmacy and Bioallied Sciences.* 2023.
- 15 Alqarawi FK, Alam BF, Nayab T, et al.** Interpretation. Impact of COVID-19 on the self-esteem, psychological and dental esthetics of dental students. *Work.* 2023.
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