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CURRENT POSITION

Adjunct Faculty, College of Dental Medicine, Roseman
University of Health Sciences, South Jordan, Utah-84095, USA
SEP 2022 – PRESENT

EDUCATION

DEGREE	DISCIPLINE/FIELD/TOPIC	INSTITUTION
Ph.D.	Effect of Chronic exposure to Shisha in Oral Keratinocytes (Medical Biotechnology)	University of Siena, Italy
MASTER OF DENTAL SURGERY	Oral Pathology, Microbiology and Forensic Odontology	Sree Balaji Dental College, Chennai
BACHELOR OF DENTAL SURGERY	Dental Surgery	PMNM Dental College & Hospital, Bagalkot

ACADEMIC EXPERIENCE

Jan 2016- Aug 2022	Associate Professor- Department of Maxillofacial Surgery and Diagnostic Sciences, Division of Oral Pathology, College of Dentistry, Jazan University , Jazan, Saudi Arabia
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2022-present	Adjunct Professor- Centre of Molecular Medicine and Diagnostics (COMManD), Saveetha Dental College & Hospitals, Saveetha Institute of Medical and Technical Sciences, Saveetha University , Chennai- 600 077
2021-present	Adjunct Professor- University of Sienna
2016-present	Jazan University , Department of Maxillofacial Surgery and Diagnostic Sciences, Division of Oral Pathology, College of Dentistry, Jazan, Saudi Arabia. <i>Associate Professor.</i> -Course Director for Undergraduate program (2019-present) -Didactic lectures practical sessions undergraduates -Training undergraduates and interns in research practices and publications -Part of Community Health Outreach Program -Member of Research Mentorship Program (2018-present) -Member BDS Program Accreditation and Assessment -Involved in curriculum development -Under my guidance, Under Graduate Students received awards for poster presentations in Oral Cancer conference organized by the Ministry of Health, Jazan, Saudi Arabia in 2019
2014-16	M.S. Ramaiah University of Applied Sciences , Department of Oral & Maxillofacial Pathology, Faculty of Dental Sciences, Bangalore, Karnataka, India <i>Associate Professor</i> -Academic Advisor for Postgraduate students -Supervising and teaching Undergraduate modules -Supervising Residents in Clinical rotations -Under my guidance, Post Graduate Students received awards for the best paper presentation in the 13 th national triple O symposium in March 2015 at Faculty of Dental Sciences, M.S.Ramaiah University of Health Sciences, Bangalore, India.
2013-14	University of Hong Kong , Faculty of Dentistry, Hong Kong. Research Assistant Prof Lakshman Samaranayake on a project assessing Oral Candida prevalence in different diets (2013-14)
2012-14	M.S. Ramaiah University of Applied Sciences Department of Oral & Maxillofacial Pathology, Faculty of Dental Sciences, Bangalore, Karnataka, India. <i>Assistant Professor</i> - Teaching undergraduate and post graduate modules -Advised on curriculum development
2009-12	KLE Institute of Dental Sciences , Bangalore, India. <i>Senior Lecturer</i> -Teaching undergraduate modules -Supervisor Histopathological Laboratory -Member of Scientific Research Committee

RESEARCH AFFILIATION

Visiting Professor of Oral Pathology, School of Dental Medicine, **University of Siena**, Siena, Italy.

Distinguished Adjunct Professor, Centre of Molecular Medicine and Diagnostics (COMManD), Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences Saveetha University, Chennai, India.

RESEARCH AND TEACHING INTERESTS

Immunobiology

Oral Pathology

Oral Microbiology

Oral Oncology

Translational Oncology

Dental Pulp Stem Cells

Molecular biology

Molecular Oncology

Periodontal Medicine

FELLOWSHIPS

Fellowship of the Royal College of Pathologists (UK)

Membership of the Faculty of Dental Surgery, Royal College of Physicians and Surgeons (Glasgow, UK)

Fellow of International College of Dentists

Fellow of the Pierre Fauchard Academy

Fellow of the Academy of General Education (Manipal, India)

ASSOCIATE PROFESSIONAL APPOINTMENTS

Editor-in-Chief: The Journal of Contemporary Dental Practice (JCDP)
<https://www.thejcdp.com/journalDetails/JCDP>

Editor-in-Chief: World Journal of Dentistry (WJD)
<https://www.wjoud.com/journalDetails/WJOD>

Editor for the special issue ‘Advance Research on Molecular Oral Microorganism’ in the journal Current Issues in Molecular Biology

Editorial board member: Clinical Oral Investigations

Editorial board member: Translational Cancer Research

Editorial board member: BMC Research Notes

Associate editor: Translation Research in Oral Oncology, SAGE Publishers.

Topic editor: Diagnostics

AWARDS & HONORS

Recipient of **Top Peer Reviewer Award 2019** powered by Publons/Web of Science/Clarivate Analytics honoring the elite contributions to Scholarly Peer Review and Editorial pursuits Internationally.

Conferred with the title of **‘the best researcher in Jazan University’** for the academic year of 2021

Enlisted on the global list of the top 2% of scientists, based on the the data compiled by Stanford University.

ACKNOWLEDGEMENT IN SCIENTIFIC RESEARCH PUBLICATION

Acknowledged as the **‘number 1 Researcher in Middle East’** according to the **bibliometric analysis** published by Ikram Ul haq et al in May 2019 in the journal ‘Library Philosophy and Practice’ an official publication of University of Nebraska-Lincoln

PATENT

A fixative solution for tissues. Government of India- Patent number- 355494. Patent granted and registered on 07-01-2021

BOOKS AUTHORED

Patil S. IHC Profiling of Cytokeratin 8 and Cytokeratin 18 in Oral Cancer. Germany: LAP Lambert Academic Publishing; 2010. ISBN-10 3843352178.

Rao R, **Patil S**, Jude J. Giant Cell Lesions of Oral Cavity. Germany: LAP Lambert Academic Publishing; 2013. ISBN-10 365942885X

Patil S, Rao R, Indhu M. Tumor Markers in Oral Pathology: An Insight. Germany: Lambert Academic Publishing; 2013. ISBN-10 3659411450

Torres CRG, **Patil S**, Batista GR. Amalgam Restorations. In Springer, Cham; 2020. p. 373–409. ISBN: 978-3-030-31772-0

Bhutia SK. Autophagy in tumor and tumor microenvironment. Haragannavar VC, Rao RS, Mahapatra KK, Patra S, Behera BP, **Patil S**. Autophagy: An Agonist and Antagonist with an Interlink of Apoptosis in Cancer In Springer, Singapore. 2020. p. 35-60. http://doi-org-443.webvpn.fjmu.edu.cn/10.1007/978-981-15-6930-2_2

CONTRIBUTION IN BOOKS

Ulrich Meyer. Fundamentals of Craniofacial Malformations. Springer. Shankargouda Patil, G. S. Vidya, Khaled M. Alqahtani. The Biological Basis of Chromosomal and Single Gene Disorders
Pages 87-98. ISBN: 978-3-030-46024-2

Seneviratne CJ, Rosa EAR. Antifungal drug discovery: New theories and new therapies. Frontiers Media SA; 2016. ISBN-13: 9782889199501

Terry DA. What's in your mouth? Your guide to a lifelong smile. USA: Quintessence Publishing Co Inc; 2014. ISBN 978-0-86715-666-9.

GUEST LECTURES DELIVERED

9) Introduction to Dental Research. Guest lecture delivered on April 20th 2022 for University of Illinois, Chicago, USA.

8) Why do Scientific Research? Guest lecture delivered on June 14th 2021 for Sri Venkateswara Dental College and Hospital, Chennai, India.

- 7) Oral potentially malignant disorders and Oral cancer at Lebanese University International Conference. Beirut, Lebanon, May 4th, 2019
- 6) Development of cellular model using normal oral keratinocytes to study the molecular alterations on chronic exposure to shisha. Roseman University of Health Sciences, March 2018.
- 5) Water Pipe smoking and White Lesions at Lebanese University International Conference. Beirut, Lebanon, May 11-13, 2017
- 4) Waterpipe Smoking: 1st Jazan International Dental Conference on Oral Cancer November 21st-24th 2017 at Jazan, Saudi Arabia.
- 3) Incipient Non Invasive Cancer Diagnosis, 24th Saudi Dental Society International Dental Conference, January 28-30, 2013
- 2) Incipient Non Invasive Cancer Diagnosis, FDI/CDA/SLDA Joint International Conference, Sri Lanka, June 27 – July 01, 2013
- 1) Incipient Non-Invasive Cancer Diagnosis, Beirut International Dental Meeting, September, 2012

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member of International Association of Dental Research (IADR) / American Association of Dental Research (AADR)
- Member of International Association of Oral Pathology (IAOP)

SCIENTIFIC SESSIONS CHAIRED AT CONFERENCES/CONVENTIONS

- 1 Scientific Session - First State Level Undergraduate Convention, Bapuji Educational Association and IDA, Davangere Branch, April 12 – 13, 2010
- 2 Poster Session - 89th general session and exhibition, International Association of Dental Research, San Diego, California, USA, March 2011.
- 3 Scientific Paper Session - 89th general session and exhibition of the International Association of Dental Research, San Diego, California, USA, March 2011.
- 4 Evaluator for Scientific Poster Presentation - 24th Saudi Dental Society International Dental Conference, January 28-30, 2013.
- 5 Poster session chaired at the 93rd IADR General Session and exhibition, Boston, USA, March 2015.

- 6 Session chairman in Oral and Maxillofacial Cancer Conference held at Radisson Blue, Jazan, Saudi Arabia, December 2019
- 7 Judge for Paper session, AIMST International Dental e- conference AIDEC, June 24-27, 2021
- 8 2021 IADR General Session and exhibition, Chairperson of a Session
- 9 2022. IADR General Session and exhibition. Virtual Interactive Talk. Detrimental effects of oral lichen planus on oral stem cells.

Scientific presentations in international conferences

Name	Location	Date
Proteomic and phosphoproteomic profiling of shammah-induced signaling in oral keratinocytes	IADR 2021	July 2021
Effect of dental pulp mesenchymal stem cell secretome on cancer	IADR 2021	July 2021
Effect of dietary beverages on enamel and dentin of extracted human teeth: A macroscopic and microscopid analysis.	IADR Asia pacific region,	December 2019
Decoding the Molecular Biology of Shisha Induced Oral Carcinogenesis- Paper presentation, IADR conference	Vancouver, Canada	June 2019
Machine learning (ML) - an Innovative Technology to Study Head and Neck Oncology- Poster presentation, IADR conference	Vancouver, Canada	June 2019
Prevalence and Malignant Potential of Oral Lichenoid Dysplasia - Systematic Review keratinocytes – Poster presentation, AADR Conference	Florida, United States of America	March 21-24, 2018
Identification of shisha-induced molecular alterations in oral keratinocytes – Poster presentation, AADR Conference	Florida, United States of America,	March 21-24, 2018
“Oral verrucous hyperplasia – A new entity.”- poster presentation- IADR General Session	Boston, United States of America	March 2015
“Does Lichenoid dysplasia exist?” - 92nd General Session & Exhibition of IADR	Cape Town, South Africa,	June 2014.
“Syndecan-1 expression in predicting oral malignancy” - 89th General Session and Exhibition of the International Association of Dental Research	San Diego, California, United States of America,	March 2011

“Palatal Rugoscopy in the Indian population” - 32nd Asia Pacific Dental Congress	Colombo, Sri Lanka,	May 2010.
“Expression of Cytokeratin 8 & 18: Prognostic marker in Oral Carcinoma?” - 87th General Session & Exhibition of IADR,	Miami Florida, United States of America,	April 2009.
“Expression of Simple Epithelial Cytokeratin 8 & 18: Prognostic marker in Oral Squamous cell Carcinomas?” - 31th Asia Pacific Dental Congress	Hong Kong	May 2009
Morsus Humanus: Dentistry based evidence” - 30th Asia Pacific Dental Congress.	Bangkok, Thailand,	May 2008

CURRENT RESEARCH AREAS AND RESEARCH INTERESTS

1 **Cancer stem cell biology in premalignant and malignant oral conditions:** Cancer stem cells have shown to be an independent risk factor for cancer metastasis, recurrence, and treatment resistance. Research focusing on the identification and characterization of these cancer stem cells in oral cancer could aid in formulating therapeutic regimens exclusively targeting the stemness of the cancer cells and their potential of induction of epithelial-mesenchymal transition and metastasis. Currently doing experimentation on identification of cancer stem cell like cells in premalignant oral lesions to identify molecular and cellular mechanisms of malignant inductions.

2 **Tumor immunology focusing on T cell behavior in oral cancer:** Current research interest is on understanding the functional behavior of T cells and level of their exhaustion in oral cancer microenvironment which will help to understand the levels of specific T cell response against oral cancer cells and mechanism responsible for their failure.

3 **Inflammation biology in oral diseases:** Most oral diseases have an inflammatory component as part of their pathogenesis due to the presence of high immune response of the oral mucosa. Currently interested in understanding the roles of various cell types of immune system in creation of inflammatory environment in oral cavity during the progression of various diseases.

4 **Dynamics of dental pulp mesenchymal stem cells (DPSCs) differentiation:** DPSCs have become an integral part of regenerative medicine given their wide range of regenerative and differentiative potential but the molecular mechanisms underlying the transcriptional control of DPSC differentiation are not well established. Currently my group is experimenting the dynamics of transcription factors during the differentiation of DPSCs in different target cell types which is much needed question to be solved to enhance the potential of DPSCs.

5 **Genomics and proteomics of oral diseases caused by tobacco products like Shammah, shisha:** Advent of molecular biology has allowed us to decode the molecular biology behind the initiation and progression of disease entities including cancer. A complete molecular picture of an etiopathogenesis of a tobacco product

induced carcinogenesis through proteomic, genomic profiling could provide novel diagnostic and therapeutic targets. Having collaborative research work going on currently to identify sequence based and protein-based biomarkers to establish correlation between habitual uses of tobacco and progression of premalignant lesions and oral cancer.

6 **Artificial intelligence:** Machine learning, convolutional neural network based diagnostic and therapeutic strategy formulation (supervised and unsupervised learning) is a major research interest given its surging application on day today clinical practice. My research team has shown immense interest in AI integrated digital pathology to aid in the diagnosis and prognosis of oral diseases especially oral cancer.

LANGUAGES

English. Hindi. Kannada. Familiar with conversational Arabic, Tamil.

SELECTED LIST OF FULL-LENGTH PUBLICATIONS IN IMPACT FACTOR JOURNALS

https://scholar.google.co.in/citations?user=lzp_N_0AAAAJ&hl=en

<https://www.researchgate.net/profile/Shankargouda-Patil>



Shankargouda Patil BDS MDS PhD FRCPath MFDS
RCPS(Glas) FICD FPPA



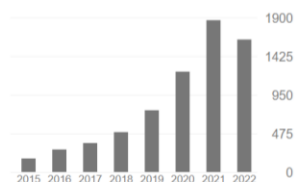
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[Oral Oncology](#) [Oral Pathology](#) [Oral Medicine](#) [Artificial Intelligence](#) [Digital Dentistry](#)

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	All	Since 2017
Citations	7219	6410
h-index	32	30
i10-index	197	174



TITLE	CITED BY	YEAR
Autophagy in health and disease: A comprehensive review S Saha, DP Panigrahi, S Patil, SK Bhutia Biomedicine & Pharmacotherapy 104, 485-495	358	2018
Clinical appearance of oral Candida infection and therapeutic strategies S Patil, RS Rao, B Majumdar, S Anil Frontiers in microbiology 6, 1391	272	2015
Developments, application, and performance of artificial intelligence in dentistry--A systematic	108	2021

239) Addugala H, Venugopal VN, Rengasamy S, Yadalam PK, Albar NH, Alamoudi A, Bahammam SA, Zidane B, Bahammam HA, Bhandi S, Shrivastava D, Srivastava KC, **Patil S**. Marginal and Internal Gap of

Metal Copings Fabricated Using Three Types of Resin Patterns with Subtractive and Additive Technology: An In Vitro Comparison. *Materials (Basel)*. 2022 Sep 15;15(18):6397. doi: 10.3390/ma15186397.

238) Rajamanickam K, Teja KV, Ramesh S, AbuMelha AS, Alkahtany MF, Almadi KH, Bahammam SA, Janani K, Choudhari S, Jose J, Srivastava KC, Shrivastava D, **Patil S**. Comparative Study Assessing the Canal Cleanliness Using Automated Device and Conventional Syringe Needle for Root Canal Irrigation-An Ex-Vivo Study. *Materials (Basel)*. 2022 Sep 6;15(18):6184. doi: 10.3390/ma15186184.

237) Goje SK, Dave B, Hassan AAA, Bahammam SA, Bahammam HA, Zidane B, Alshehri A, Awadh W, Bhandi S, Raj AT, **Patil S**. Evaluation of Mesiodistal Root Angulation of Permanent Incisors, Canines, and First Pre-Molars by Orthopantomogram Dental Imaging Findings in 296 Children Aged 6-14 Years. *Med Sci Monit*. 2022 Sep 8;28:e937833. doi: 10.12659/MSM.937833

236) Mathew R, Palatinus S, Padala S, Alshehri A, Awadh W, Bhandi S, Thomas J, **Patil S**. Neural networks for classification of cervical vertebrae maturation: a systematic review. *Angle Orthod*. 2022 Sep 7. doi: 10.2319/031022-210.1.

235) Pushpalatha C, Dhareshwar V, Sowmya SV, Augustine D, Vinothkumar TS, Renugalakshmi A, Shaiban A, Kakti A, Bhandi SH, Dubey A, Rai AV, **Patil S**. Modified Mineral Trioxide Aggregate-A Versatile Dental Material: An Insight on Applications and Newer Advancements. *Front Bioeng Biotechnol*. 2022 Aug 9;10:941826. doi: 10.3389/fbioe.2022.941826

234) Mehta P, Bhavasar R, Ajith NA, Bhavsar RP, Bahammam MA, Bakri MMH, Alzahrani KJ, Alghamdi AA, Halawani IF, Bhandi S, Raj AT, **Patil S**. Assessing the Effect of Curcumin on the Oral Mucosal Cytomorphometry and Candidal Species Specificity in Tobacco Users: A Pilot Study. *Healthcare (Basel)*. 2022 Aug 10;10(8):1507. doi: 10.3390/healthcare10081507

233) Panigrahi DP, Patra S, Behera BP, Behera PK, **Patil S**, Patro BS, Rout L, Sarangi I, Bhutia SK. MTP18 inhibition triggers mitochondrial hyperfusion to induce apoptosis through ROS-mediated lysosomal membrane permeabilization-dependent pathway in oral cancer. *Free Radic Biol Med*. 2022 Aug 16:S0891-5849(22)00547-0. doi: 10.1016/j.freeradbiomed.2022.08.019

232) Mishra SM, Ravishankar PL, Pramod V, Rajula PB, Gayathri K, Alam MK, Raj AT, Bhandi S, **Patil S**. Effect of Supplementation of Vitamin D in Patients with Periodontitis Evaluated before and after Nonsurgical Therapy. *Biomed Res Int*. 2022 Aug 8;2022:5869676. doi: 10.1155/2022/5869676. eCollection 2022

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230) Tarrosh MY, Alhazmi YA, Aljabri MY, Bakri MMH, Al Shawkani HA, Al Moaleem MM, Al-Dhelai TA, Bhandi S, **Patil S**. A Systematic Review of Cross-Sectional Studies Conducted in the Kingdom of Saudi Arabia on Levels of Dental Anxiety Between Genders and Demographic Groups. *Med Sci Monit*. 2022 Jul 31;28:e937470. doi: 10.12659/MSM.937470.

229) Rao RS, Shivanna DB, Lakshminarayana S, Mahadevpur KS, Alhazmi YA, Bakri MMH, Alharbi HS, Alzahrani KJ, Alsharif KF, Banjer HJ, Alnfai MM, Reda R, **Patil S**, Testarelli L. Ensemble Deep-Learning-Based Prognostic and Prediction for Recurrence of Sporadic Odontogenic Keratocysts on Hematoxylin and Eosin Stained Pathological Images of Incisional Biopsies. *J Pers Med*. 2022 Jul 27;12(8):1220. doi: 10.3390/jpm12081220.

228) Sengar EV, Mulay S, Beri L, Gupta A, Almohareb T, Binalrimal S, Robaian A, Bahammam MA, Bahammam HA, Bahammam SA, Zidane B, Albar NH, Bhandi S, Shrivastava D, Srivastava KC, **Patil S**. Comparative Evaluation of Microleakage of Flowable Composite Resin Using Etch and Rinse, Self-Etch

Adhesive Systems, and Self-Adhesive Flowable Composite Resin in Class V Cavities: Confocal Laser Microscopic Study. *Materials* (Basel). 2022 Jul 16;15(14):4963. doi: 10.3390/ma15144963

227) Debta P, Swain SK, Sahu MC, Abuderman AA, Alzahrani KJ, Banjer HJ, Qureshi AA, Bakri MMH, Sarode GS, Patro S, Siddhartha S, **Patil S**. Evaluation of Candidiasis in Upper-Aerodigestive Squamous Cell Carcinoma Patients-A Clinico-Mycolological Aspect. *Int J Environ Res Public Health*. 2022 Jul 12;19(14):8510. doi: 10.3390/ijerph19148510

226) Silviya S, C M A, Prakash PSG, Bahammam SA, Bahammam MA, Almarghlani A, Assaggaf M, Kamil MA, Subramanian S, Balaji TM, **Patil S**. The Efficacy of Low-Level Laser Therapy Combined with Single Flap Periodontal Surgery in the Management of Intrabony Periodontal Defects: A Randomized Controlled Trial. *Healthcare* (Basel). 2022 Jul 13;10(7):1301. doi: 10.3390/healthcare10071301

225) SV, Bahammam HA, Bahammam SA, Mohammad Albar NH, Zidane B, **Patil S**. The Anticariogenic Efficacy of Nano Silver Fluoride. Pushpalatha C, Bharkhavy KV, Shakir A, Augustine D, Sowmya. *Front Bioeng Biotechnol*. 2022 Jul 1;10:931327. doi: 10.3389/fbioe.2022.931327

224) **Patil S**, Fageeh HN, Fageeh HI, Ibraheem W, Alshehri AS, Al-Brakati A, Almoammar S, Almagbol M, Dewan H, Khan SS, Baeshen HA, Patil VR, Raj AT, Bhandi S. Hypoxia, a dynamic tool to amplify the gingival mesenchymal stem cells potential for neurotrophic factor secretion. *Saudi J Biol Sci*. 2022 May;29(5):3568-3576. doi: 10.1016/j.sjbs.2022.02.039

223) Yadalam PK, Krishnamurthi I, Srimathi R, Alzahrani KJ, Mugri MH, Sayed M, Almadi KH, Alkahtany MF, Almagbol M, Bhandi S, Baeshen HA, Raj AT, **Patil S**. Gene and protein interaction network analysis in the epithelial-mesenchymal transition of Hertwig's Epithelial Root Sheath reveals periodontal regenerative drug targets- An in silico study. *Saudi J Biol Sci*. 2022 May;29(5):3822-3829. doi: 10.1016/j.sjbs.2022.03.007

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221) Thilagar S, Theyagarajan R, Mugri MH, Bahammam HA, Bahammam SA, Bahammam MA, Yadalam PK, Raj AT, Bhandi S, **Patil S**. Periodontal Treatment for Chronic Periodontitis With Rheumatoid Arthritis. *Int Dent J*. 2022 Jul 6:S0020-6539(22)00079-X. doi: 10.1016/j.identj.2022.04.008

220) Sujatha G, Veeraraghavan VP, Alamoudi A, Bahammam MA, Bahammam SA, Alhazmi YA, Alharbi HS, Alzahrani KJ, Al-Ghamdi MS, Alzahrani FM, Varadarajan S, Raj AT, **Patil S**. Role of Toothbrushes as Gene Expression Profiling Tool for Oral Cancer Screening in Tobacco and Alcohol Users. *Int. J. Environ. Res. Public Health* 2022, 19, 8052. <https://doi.org/10.3390/ijerph19138052>

219) Sowmya SV, Augustine D, Hemanth B, Prathab AG, Alamoudi A, Bahammam HA, Bahammam SA, Bahammam MA, Haragannavar VC, Prabhu S, **Patil S**. Alternate Special Stains for the Detection of Mycotic Organisms in Oral Cyto-Smears-A Histomorphometric Study. *Microorganisms*. 2022 Jun 15;10(6):1226. doi: 10.3390/microorganisms10061226

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- 216) Mubaraki MQ, Moaleem MMA, Alzahrani AH, Shariff M, Alqahtani SM, Porwal A, Al-Sanabani FA, Bhandi S, Tribst JPM, Heboyan A, **Patil S**. Assessment of Conventionally and Digitally Fabricated Complete Dentures: A Comprehensive Review. *Materials* (Basel). 2022 May 28;15(11):3868. doi: 10.3390/ma15113868
- 215) Kamat MS, Puranik RS, Das Rai AB, Patil BR, **Patil S**. Assessing immuno-expression of p53 protein and TP 53 gene amplification in histologically negative surgical margins of oral squamous cell carcinoma patients and normal oral mucosa. *Clin Oral Investig*. 2022 Jun 8. doi: 10.1007/s00784-022-04574-y.
- 214) Pushpalatha C, Suresh J, Gayathri VS, Sowmya SV, Augustine D, Alamoudi A, Zidane B, Mohammad Albar NH, **Patil S**. Zinc Oxide Nanoparticles: A Review on Its Applications in Dentistry. *Front Bioeng Biotechnol*. 2022 May 19;10:917990. doi: 10.3389/fbioe.2022.917990
- 213) Zanza A, Reda R, Pagnoni F, **Patil S**. Future Trends in Endodontics: How Could Materials Increase the Long-Term Outcome of Root Canal Therapies? *Materials* (Basel). 2022 May 12;15(10):3473. doi: 10.3390/ma15103473.
- 212) Raj AT, Awan KH, **Patil S**, Morgan P, Warnakulasuriya S. Oral Warty Dyskeratoma- A Systematic Review of the Literature. *Diagnostics* 2022, 12, 1273. <https://doi.org/10.3390/diagnostics12051273>
- 211) Sihivahanan D, Maniyan Vijayakumari M, Yadalam PK, Boreak N, Binalrimal S, Alqahtani SM, Wadei MHDA, Vinothkumar TS, Chohan H, Dewan H, Bhandi S, **Patil S**. Evaluation of Micro-Tensile Bond Strength of Fibre Post with Titanium Dioxide Nanoparticles as Fillers in Experimental Dental Composite Resin. *Materials* (Basel). 2022 May 5;15(9):3312. doi: 10.3390/ma15093312.
- 210) Yadalam PK, Sivasankari T, Rengaraj S, Mugri MH, Sayed M, Khan SS, Kamil MA, Bhandi S, Raj AT, **Patil S**, Heboyan A. Gene Interaction Network Analysis Reveals IFI44L as a Drug Target in Rheumatoid Arthritis and Periodontitis. *Molecules* 2022, 27, 2749. <https://doi.org/10.3390/molecules27092749>.
- 209) Bhavsar R, Shah V, Ajith NA, Shah K, Al-amoudi A, Bahammam HA, Bahammam S.A, Zidane B, Mohammad Albar NH, Bhandi S, Raj AT, **Patil S**. Dental caries and Oral Health Status of Psychoactive Substance Abusers. *Int. J. Environ. Res. Public Health* 2022, 19, 5818. <https://doi.org/10.3390/ijerph19105818>.
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