




## Bharath Institute of Higher Education and Research

### Faculty Profile

Personal Details	
Dr.A.Karthick	
Professor	
Department of Conservative Dentistry and Endodontics	
Sree Balaji Dental College and Hospital	
9884718819	
<a href="mailto:drkarthickmds@gmail.com">drkarthickmds@gmail.com</a>	

Area of Interest	Biomaterials, Endodontic therapy, Restorative dentistry, Esthetic Dentistry
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Subjects Taught	
UG	PG
Dental materials	Dental materials
Conservative dentistry	Conservative dentistry
Endodontics	Endodontics

Academic Background				
Degree	Specialization	University	Class	Month & Year of Passing
MDS	Conservative dentistry & Endodontics	TN Dr.MGR Medical University, Chennai	I	March 2009
BDS		TN Dr.MGR Medical University, Chennai	I	2003

Work Experience as on Dec-2020			
Name of the Institution/Company	Position	From	To
Sree Balaji Dental College and Hospital	Lecturer (Full-time)	<b>22.06.2009</b>	<b>21.06.2013</b>
	Reader (Full-time)	<b>22.06.2013</b>	<b>21.06.2015</b>
	Associate professor	<b>22.06.2015</b>	<b>21.06.2018</b>

		(Full-time)					
		Professor		22.06.2018		Till date	
Total experience	11 years 6 months 9 days	Teaching	11 years 6 months 9 days	Research	11 years 6 months 9 days	Administration	11 years 6 months 9 days

Research Publications				
International Journal	National Journal	International Conference	National Conference	Total Number of Publications
26	28	Nil	Nil	54

Recent Publications(Journals)- Chronological order	
Sl.No	Details
1	Attached as Annexure
2	
3	

Memberships in Professional Bodies	
Sl.No	Name of the Professional Body
1	Life member of Indian Association of Conservative Dentistry and Endodontics & Indian Endodontic Society (IACDE & IES).- Membership no: 1009
2	Life member of Conservative & Endodontic Association of Tamilnadu (CEAT) - membership no: 53

Training Programmes Attended	
Sl.No	Details in Chronological order
1	Faculty Development Program- Basic life support / Cardiopulmonary resuscitation- CPR- 2 <sup>nd</sup> Feb 2018.
2	Faculty Development Program- "Clinical Photography"- organized by Dept of Periodontics- at Sree Balaji Dental college & Hospital, Chennai – 19 <sup>th</sup> July 2018
3	Faculty Development Program- "Reference writing - an application based approach"- guest speaker – Dr. M.S. Nivedhitha & Dr. Deepa Gurunathan organized by Dept of Conservative Dentistry & Endodontics- at Sree Balaji Dental college & Hospital, Chennai – 10 <sup>th</sup> Sept 2018.
4	Faculty Development Program- Competency based Dental education - Dr. J. Sabarinathan - at Sree Balaji Dental college & Hospital, Chennai – 11 <sup>th</sup> Jan 2019.

5	Faculty Development Program-Online webinar series –Soft skill development program- "A Holistic Approach To Life During The COVID Pandemic"- conducted by Dayananda Sagar College of Dental Sciences, Bangalore - 10th July 2020 to 15th July 2020.
6	Faculty Development Program-Online webinar- “Opportunities, Challenges & Treats for the teachers of Dentistry”- organized by SRM Kattankulathoor dental college & hospital – 18 <sup>th</sup> July 2020.

Roles and Responsibilities	
Sl.No	Details
1	IQAC Co-ordinator for the Dept of Conservative Dentistry and Endodontics
2	NAAC library advisory committee member
3	Department material indent incharge
4	Staff incharge for 2 <sup>nd</sup> Yr B.D.S Students for the Dept of Conservative Dentistry and Endodontics.
5	P.G Guide for thesis and Library dissertation

Awards Received	
Sl.No	Details
1	Best paper award- “Shell and GIC” at the23 <sup>rd</sup> National conference of Indian Society for Dental Research ISDR on 8 <sup>th</sup> & 9 <sup>th</sup> January 2011 at Chettinad Dental college, Chennai..
2	Fellowship award at The Tamilnadu Govt Dental college & Hospital- 10 <sup>th</sup> August 2013.
3	Contribution and Achievement award at CEAT 2017 – Dedication and academic contribution in the field of Conservative Dentistry and Endodontics
4	Fellowship Award – Digital implantology- December 2019.

**ANNEXURE**  
**PUBLICATIONS DETAILS TABLE WITH DCI POINTS**

SL. NO	TOPIC	JOURNAL NAME	AUTHORS	YEAR/ VOL/ ISSUE/ PAGE NO	INDEXED UNDER	CATEGORY I/II/III	DCI POINTS
1.	Prevalence of Mandibular Fractures	Indian Journal of Dental research	T. Saravanan, B. Balaguhan , A. Venkatesh , N. Geethapriya , Goldpearlinmary , A. Karthick	2020; 31(6): 971-974	Scopus	I	15
2.	Self-Etching adhesive – Role in esthetic dentistry	European Journal of Molecular & Clinical Medicine	Dhakshinamoorthy Malarvizhi., Santhakumar Jeffrin Teresa, Arumugam Karthick., Paramasivam Vivekanandhan	2020; 7(5):1281-1286	Scopus	I	7.5
3.	Physiological And Pathological Pulp Canal Obliteration By Calcific Metamorphosis-A Review	European Journal of Molecular & Clinical Medicine	Arumugam Karthick , Bharadwaj B , New Begin Selvakumar Gold Pearl Mary, Dhakshinamoorthy Malarvizhi	2020; 7(5): 1270-1274	Scopus	I	15
4.	An Elevation In The Field Of Dentistry-The Smart Materials: A Review	European Journal of Molecular & Clinical Medicine	Balasubramaniam Anuradha, Alemete Suriyanarayanan Kamali., Alagarsamy Venkatesh, Arumugam Karthick	2020; 7(5): 1255-1260	Scopus	I	7.5
5.	A Review On Polymerization Shrinkage Of Resin Composites	European Journal of Molecular & Clinical Medicine	Alagarsamy Venkatesh , Loganathan Saatwika , Arumugam	2020; 7(5): 1245-1250	Scopus	I	7.5

			Karthick , Arunajatesan Subbiya				
<b>6.</b>	Effect of aging in bond strength - A Review	European Journal of Molecular & Clinical Medicine	Arumugam Karthick, Bharadwaj B, Dhakshinamoort hy Malarvizhi, Suresh Mitthra	2020; 7(3) : 2104- 2109	Scopus	<b>I</b>	<b>15</b>
<b>7.</b>	Assessment of the relationship between the maxillary sinus floor and roots of maxillary posterior teeth - a MSCT study	European Journal of Molecular & Clinical Medicine	Arunajatesan Subbiya, Jahir Hussain, Sathiya Murali, Arumugam Karthick, Dhakshinamoort hy Malarvizhi, Suresh Mitthra	2020; 7(3) : 2128- 2134	Scopus	<b>I</b>	<b>15</b>
<b>8.</b>	External cervical resorption: A Review	European Journal of Molecular & Clinical Medicine	Dhakshinamoort hy Malarvizhi, Tamizharasan Sangavi, Arumugam Karthick, Paramasivam Vivekanandhan	2020; 7(3) : 2093- 2099	Scopus	<b>I</b>	<b>7.5</b>
<b>9.</b>	Mineral Trioxide Aggregate (MTA) – an overview	European Journal of Molecular & Clinical Medicine	Venkatachalam Prakash., Hemapriya Darsini J , Arumugam Karthick, Alagarsamy Venkatesh	2020; 7(3) : 2115- 2120	Scopus	<b>I</b>	<b>7.5</b>
<b>10.</b>	Management of internal root resorption: A Review	European Journal of Molecular & Clinical Medicine	Tamizharasan Sangavi, Arumugam Karthick, Dhakshinamoort hy Malarvizhi, Alagarsamy Venkatesh	2020; 7(10) : 658- 662	Scopus	<b>I</b>	<b>7.5</b>
<b>11.</b>	Applications of laser in the field of Endodontics : an update	European Journal of Molecular & Clinical Medicine	Ramu Shobhana, Arumugam Karthick, Suresh Mitthra, Balasubramania m Anuradha,	2020; 7(10) : 646- 651	Scopus	<b>I</b>	<b>7.5</b>

12.	Morphologic Aberrations of Mandibular Premolar with two and Three Canals: Case Report	Indian Journal of Forensic Medicine & Toxicology	Sahithi Reddy , Venkatachalam Prakash , Ramachandran Tamilselvi, Arumugam Karthick	2020; 14(4): 1184-1188	Scopus	I	7.5
13.	Diagnosis and Treatment Modalities of Open Apex – A Review	Indian Journal of Forensic Medicine & Toxicology	Ravindranath Megha , Newbegin Selvakumar Gold Pearlin Mary , Arumugam Karthick , Paramasivam Vivekanandhan	2020; 14(4): 1380-1384	Scopus	I	7.5
14.	Endodontic Management of Maxillary First Molar with Six Canals—A Case Report	Indian Journal of Public Health Research and Development	Arumugam Karthick, Vivekanandhan Paramasivam, Subbiya Arunajatesan, Dhakshinamoorthy Malarvizhi, Radhakrishnan Mensudar, Nagarajan Geethapriya	2019;10 (9):514-517	Scopus	I	15
15.	Association between Systemic Diseases and Apical Periodontitis—A Review	Indian Journal of Public Health Research and Development	WeslySophreniaa, Arumugam Karthick, Nagarajan Geethapriya, Arunajatesan Subbiya	2019;10 (12):2177-2181	Scopus	I	7.5
16.	Effect of Addition of Chitosan on Properties of Conventional Glass Ionomer Cement—An in Vitro Study.	Indian Journal of Public Health Research and Development	Arumugam Karthick, Mahendran Kavitha, Dhakshinamoorthy Malarvizhi	2019;10 (12):2196-2020	Scopus	I	15
17.	Efficacy and Safety of Oral Premedication on Pain after Nonsurgical Root	Indian Journal of Public Health Research and Development	Wesly Sophreniaa, Arumugam Karthick, Nagarajan	2019;10 (12):2172-2176	Scopus	I	7.5

	Canal Treatment—A Review		Geethapriya, Arunajatesan Subbiya				
18.	Management of Maxillary First Molar with Six Canals—A Case Report	Indian Journal of Public Health Research and Development	Lakshmisree A G, Arumugam Karthick, Nagarajan Geethapriya, Arunajatesan Subbiya	2019; 10(12): 2158-2162	Scopus	I	7.5
19.	Bleaching Lights—A Review	Indian Journal of Public Health Research and Development	Dhakshinamoorthy Malarvizhi, Arumugam Karthick, Nagarajan Geethapriya, Hannah Christmin	2019; 10(12): 2139-2142	Scopus	I	7.5
20.	Need for Evidence Based Dentistry in Clinical Practice—A Review	Indian Journal of Public Health Research and Development	Nagarajan Geethapriya, Arumugam Karthick, Dhakshinamoorthy Malarvizhi, Ramu Shobhana	2019;10 (12):2135-2138	Scopus	I	7.5
21.	Evaluation of Intensity of LED Curing Light on the Depth of Cure of Composite- An in Vitro Study	Indian Journal of Public Health Research & Development	Lakshmisree A G, Arumugam Karthick, Nagarajan Geethapriya, Arunajatesan Subbiya	2019; 10 (12):2118-2122	Scopus	I	15
22.	Single rooted mandibular first and second molars with single canal- a case report	Indian Journal of Public Health Research & Development	Arumugam Karthick, Joseph Changankary Pia, Ramachandran Tamilselvi, Radhakrishnan Mensudar	2019; 10 (11): 3054-3058	Scopus	I	15
23.	Root canal obturation : an update of materials and methods- a review	Indian Journal of Public Health Research & Development	Alagarsamy Venkatesh, Arumugam Karthick, Rajendran Devakar, Dhakshinamoorthy Malarvizhi	2019; 10 (11): 3044-3048	Scopus	I	7.5

24.	A literature review on dental caries vaccine- a prevention strategy	Indian Journal of Public Health Research & Development	Ramachandran Tamilselvi, DhakshinamoorthyMalarvizhi, Alagarsamy Venkatesh Arumugam Karthick	2019; 10 (11): 3041-3043	Scopus	I	7.5
25.	Hazards of dental waste disposal- a review	Indian Journal of Public Health Research & Development	DhakshinamoorthyMalarvizhi, Arumugam Karthick, NewbeginSelvakumar Gold Pearlin Mary, SeenivasanNiveditha	2019; 10 (11): 3023-3028	Scopus	I	7.5
26.	Ceramics in Dentistry- a review	Indian Journal of Public Health Research & Development	Arumugam Karthick, DhakshinamoorthyMalarvizhi, Ramachandran Tamilselvi, SeenivasanNiveditha	2019; 10 (11):3018-3022	Scopus	I	15
27.	Surgical decompression to treat periapical cyst: a review of literature	Indian Journal of Public Health Research & Development	Alagarsamy Venkatesh, Sahithi Reddy, Nagarajan Geethapriya, Arumugam Karthick	2019; 10 (11): 3008-3010	Scopus	I	7.5
28.	A 3-Dimensional Approach in the Management of Endodontic Pain: A Review	Indian Journal of Public Health Research & Development	DhakshinamoorthyMalarvizhi, Arumugam Karthick, Anuradha Balasubramanian, HareendranathVelayudhan Nair	2019; 10 (12):950-955	Scopus	I	7.5
29.	Effect of CPP ACP and nanohydroxyapatite incorporated GIC on remineralization of Dentin	Indian Journal of Public Health Research & Development	Ramachandran Tamilselvi, MalarvizhiDhakshinamoorthy, Karthick Arumugam, BhaskaranSathya priya, Purushothaman Lakshmanan	2019; 10 (12):936-941	Scopus	I	15



30.	Comparative evaluation of the effect of preoperative oral medication of Ketorolac on the anesthetic efficiency of Inferior Alveolar Nerve Block in Patients with Irreversible Pulpitis: A Randomized Clinical Trial	Indian Journal of Public Health Research & Development	Arumugam Karthick, ArunajatesanSubbiya, Vijendra Maki Reddy, DhakshinamoorthyMalarvizhi, Alagarsamy Venkatesh, Venkatachalam Prakash	2019; 10 (12): 932-935	Scopus	I	15
31.	Regenerative Endodontics-Clinical Procedure and Tooth Discolouration: A Review	Indian Journal of Public Health Research & Development	Arumugam Karthick, TamizharasanSangavi, Venkatachalam Prakash, NewbeginSelvakumar Gold Pearlin Mary	2019; 10 (8): 1648-1653	Scopus	I	15
32.	Role of Fillers in Composite Resin – A Review	Indian Journal of Public Health Research & Development	NewbeginSelvakumar Gold Pearlin Mary, Bharadwaj B, Venkatachalam Prakash, Arumugam Karthick	2019; 10 (8): 1639-1642	Scopus	I	7.5
33.	Resistance Mechanism of Enterococcus Faecalis – A Review	Indian Journal of Public Health Research & Development	Geeth Deepika, Venkatachalam Prakash, ArunajatesanSubbiya, ParamasivamVivekanadhan, Balasubramaniam Anuradha, Arumugam Karthick	2019; 10 (8): 1621-1623	Scopus	I	7.5
34.	Shrinkage in Composites: An Enigma	Journal of International Oral Health	DhakshinamoorthyMalarvizhi, Arumugam Karthick, NewBeginSelvakumar Gold Pearlin Mary, Alagarsamy	2019; 11(5) : 244-248	Scopus	I	7.5

			Venkatesh				
35.	One year follow up of non surgical retreatment with MTA apexification- a case report	International journal of current research	ArunajatesanSubbiya, Nagarajan Geetha Priya , Gold Pearlin Mary Newbegin, DhakshinamoorthyMalarvizhi, Arumugam Karthick.	2017; 9 (11): 60474-60477	Copernicus	III	2.5
36.	Factors affecting smile design – a review	International journal of current research	DhakshinamoorthyMalarvizhi, Arumugam Karthick, Radhakrishnan Mensudar, NewbeginSelvakumar Gold Pearlin Mary, Nagarajan Geetha Priya	2017; 9 (10): 59830-59833	Copernicus	III	2.5
37.	Separated instruments – a mind set between hard and rock- a review	Journal of evolution of medical and dental sciences	GeethDeepika , Suresh Mitthra, Balasubramaniam Anuradha, Arumugam Karthick	2017;6 (87):6077-6080	Copernicus	III	2.5
38.	The elusive MB 2 canal in maxillary molar- a case report	IOSR- Journal of Dental and Medical Sciences (IOSR-JDMS)	Geeth Deepika, DhakshinamoorthyMalarvizhi, Arumugam Karthick, R Tamilselvi	2017;16 (10):29-31	Copernicus	III	2.5
39.	Effect of Probiotic Chocolate in the Reduction of Streptococcus Mutans Count	Biomedical and Pharmacology Journal	Malarvizhi Dhakshinamoorthy, Monisha Subramanian, KesavaramPadmavathi , Krishnan Mahalakshmi, Karthick Arumugam, VivekanandhanParamasivam	2016; 9 (3) : 1073-1078	Scopus	I	15
40.	Nanorobots- A	Biosciences	Suresh Mitthra,	2016;	Scopus	I	7.5

	small wonder	Biotechnology Research Asia	Arumugam Karthick, Balasubramaniam Anuradha, Radhakrishnan Mensudar, Kalyani Ramkumar Sadhana, GurubaranNidhya Varshini	13 (4) : 2131-2134			
41.	Binder's Syndrome – A Rare Case Report and Review of Literature with detailed treatment Plan	Biomedical and Pharmacology Journal	Alagarsamy Venkatesh, B. Anuradha, A. Karthick, P. E. Chandra Mouli, M. Ramasamy	2016; 9 (3) : 1049-1055	Scopus	I	7.5
42.	Comparison of apical debris extrusion of two rotary systems and one reciprocating system	Journal of Conservative Dentistry	ParamasivamVivekanandhan, ArunajatesanSubbiya, Suresh Mitthra, Arumugam Karthick	May 2016; Vol 19 (3): 245-249	Pubmed& Scopus	I	15
43.	Non surgical root canal treatment of type II Dens invaginatus with internal root resorption- A case report	World Journal of Medical Sciences (WJMS)	Dr.Karthick. A, Dr.Kavitha .M, Dr.Jaikailash, Dr.Malarvizhi. D	2014, vol 10, issue 3, pg 304-308	Scopus	I	15
44.	Evaluation of Microshear Bond Strength of Chitosan Modified GIC	World Journal of Medical Sciences (WJMS)	Dr.Karthick. A, Dr.Kavitha .M, Dr.Loganathan S.C, Dr.Malarvizhi. D	2014; Vol 10 (2), pg 169-173	Scopus	I	15
45.	Evaluation of biocompatibility of Bioactive Glass, Bioactive Glass-	Middle east journal of Scientific research (MEJSR)	Dr.Malarvizhi. D, Dr.Kavitha .M, Dr.Loganathan S.C, Dr.Karthick. A.	2014 21(1);103-106	Scopus	I	15

	Hydroxyapatite and Mineral Trioxide Aggregate-An in Vitro Study						
46.	Evaluation of microleakage of Bioactive Glass, Bioactive Glass-Hydroxyapatite and Mineral Trioxide Aggregate-An in Vitro Study	World Journal of Medical Sciences (WJMS)	Dr.Malarvizhi. D, Dr.Kavitha .M, Dr.Loganathan S.C, Dr.Karthick. A.	2014; 10(2): 208-211	Scopus	I	15
47.	Pre fabricated Chair side conservative bridge.	JIDAT Journal of Indian Dental Association Tamilnadu	Dr.R.Mensudar Dr.D.Amudha Dr.A.Karthick,	Vol 4 Issue 15, Oct.- Dec., 2012	Peer reviewed	III	2.5
48.	A Split-Mouth Placebo-Controlled Study to Determine the Effectiveness of Two Desensitizing Agents in the Treatment of Cervical Dentin Hypersensitivity - A Single Blind Study.	Journal of PearlDent	Dr.R.Mensudar, Dr.A.Karthick, Dr. D. Amudha	2012, vol 3 (3); pg 37-41	Publisher: Indian Dental Association, Hassan Print ISSN: 0976-0180	III	5
49.	Comparative efficacy evaluation of articaine as buccal infiltration and lignocaine as IANB in the mandibular first molar with irreversible pulpitis.	Indian journal of multidisciplinary dentistry	Dr. A. Subbiya, Dr.AR.Pradeep Kumar, Dr.P.Vivekanandan, Dr. A. Karthick	nov2011-jan 2012, Vol 2, issue 1, pg 370-373.	Copernicus	III	5
50.	Biomedical waste management-green dentistry.	Biomedical and Pharmacology Journal	Dr. R. Mensudar, Dr. A. Karthick, Dr. D. Amudha	2011; vol 4(1): pg 201-205.	Scopus	I	7.5
51.	A survey on biomedical waste management.	Indian journal of multidisciplinary	Dr. R. Mensudar, Dr. A. Karthick, Dr. D. Amudha,	2011, Vol 1, issue 2,	Copernicus	III	2.5

		ry dentistry	Dr.P. Vivekanandhan	pg 86-88.			
52.	Use of innovative megafillers for improving the marginal adaptation of composite restoration.	Indian journal of multidisciplinary dentistry	Dr. R. Mensudar, Dr. A. Karthick, Dr. D. Amudha, Dr.Aparna Dash.	2011, Vol 1, issue 4, pg 186-189.	Copernicus	III	2.5
53.	Platelet rich plasma –the potency unravelled.	Journal of Indian Academy of Dental Specialists	Dr. R. Mensudar, Dr. A. Karthick, Dr. D. Amudha, Dr.Aparna Dash	2011,vol 2(3); pg 82-84.	Peer reviewed index in journal seek, openJ gate, Hinari Ulrich	III	2.5
54.	Shear Bond evaluation of composite resin bonded to Nickel Chromium alloy	Journal of Clinical and Diagnostic Research	Sheik Mohammed S, Rathakrishnan Mensudar, Vridhachalam Ganapathy Sukumaran, Venkatachalam Prakash, Arumugam Karthick, ArunajatesanSubbiya	Aug 2018;12 (8)ZC01-ZC04	Scopus	I	15

**PUBLICATIONS DETAILS TABLE WITH DCI POINTS – BOOK PUBLICATIONS**

SL. NO	TITLE	PUBLISHER DETAILS / ISBN NO	AUTHORS	YEAR	CATEGORY ( I/ II/ III)	DCI POINTS
1	BOOK NAME Smile analysis in Dentistry	Book publisher: Self(Super printers, Velachery)	Dr. D. Malarvizhi Dr. A. Karthick Dr. R. Tamilselvi Dr. G.S.V.	2021	III	2.5

		ISBN: 978-93-5437- 992-5	Nivashini			
2	Minimizing pain in Endodontics	Book publisher: Self(Super printers, Velachery) ISBN: 978-93-5437- 991-8	Dr. A. Karthick Dr. D. Malarvizhi Dr. A.S. Kamali	2021	III	5
3	Evolution of Endodontic Instruments	Book publisher: Self(Super printers, Velachery) ISBN: 978-93-5437- 921-5	Dr. R. Tamilselvi Dr. D. Malarvizhi Dr. A. Karthick Dr. Ajay Sathya	2021	III	2.5