

## **Bharath Institute of Higher Education and Research**

## **Faculty Profile**

| Personal Details                                  |        |
|---|--------|
| Dr. USHA SUBBIAH                                  |        |
| Professor and Head                                | 125    |
| Human Genetics Research Centre                    | A Carl |
| Sree Balaji Dental College and Hospital           |        |
| 91- 8248707203                                    |        |
| ushas@sbdch.bharathuniv.ac.in, ushat75@yahoo.com, | alta)  |
|   |        |

Area of Interest Human Genetics, Molecular biology

| Subjects Taught     |                   |  |
|---------------------|-------------------|--|
| UG                  | PG                |  |
| Biochemistry        | Genetics          |  |
| Genetic Engineering | Molecular Biology |  |
| Physiology          |                   |  |

|        | Academic Background |   |             |                            |  |
|--------|---------------------|---|-------------|----------------------------|--|
| Degree | Specialization      | University  | Class       | Month & Year<br>of Passing |  |
| Ph.D.  | Genetics            | Department of<br>Genetics, Dr.<br>ALM PG<br>Institute of<br>Basic Medical<br>Sciences (IBMS),<br>University of<br>Madras,<br>Chennai, India | First Class | 2006                       |  |
| M.Sc.  | Zoology             | University of<br>Madras, Guindy<br>Campus,<br>Chennai, India  | First Class | 2000                       |  |
| B.Sc.  | Zoology             | Holy Cross<br>College,<br>Bharathidasan<br>University,<br>Tiruchirapalli, India   | First Class | 1997                       |  |

|  | Work Ex   | perience                   |                      |            |      |         |
|--|-----------|----------------------------|----------------------|------------|------|---------|
| Name of the Institution/Company  | Pos       | ition                      | From                 |            | То   |         |
|  | Professo  | or and Head                | d March 2021         |            | Till | date    |
| Sree Balaji Dental College and<br>Hospital   |           | te Professor<br>d Head     | May 2019             |            | Feb  | 2021    |
|  | Assistant | Professor                  | Feb 2016             |            | Apr  | il 2019 |
| Department of Biotechnology,<br>Prathyusha Institute of Technology<br>and management,<br>Aranvoyalkuppam, Chennai. | Assista   | nt Professor               | June 2013            | 3          | Apr  | il 2014 |
| Department of Medical<br>Microbiology, Faculty of Medicine,<br>University Of<br>Malaya, Kuala Lumpur, Malaysia.    |           | Doctoral<br>h Associate    | Nov 2011             |            | Apri | 1 2012  |
| Department of Biotechnology,<br>Orchid Chemical & Pharmaceuticals<br>Ltd, Chennai.                                 |           | Doctoral<br>Fellow         | July 2009            |            | Oct  | 2011    |
| Department of<br>Biological Sciences, University of<br>Delaware, Newark, Delaware, USA.                            |           | Post Doctoral<br>Fellow    |                      |            | Jun  | e 2009  |
| Department of Biotechnology,<br>Orchid Chemical & Pharmaceuticals<br>Ltd, Chennai.                                 |           | Post Doctoral<br>Associate |                      |            | Apr  | il 2008 |
| Centre for<br>Biotechnology, Anna University,<br>Chennai.  | Gue       | est Faculty                | Sep 2006             |            | Feb  | 2007    |
| Total15 years 9Teachingexperiencemonths  | 2 years   | Research                   | 13 years 9<br>months | Administra | tion | -       |

|   | Research Publications                                   |  |            |            |              |
|---|---|--|------------|------------|--------------|
| Inter   | rnational National Journal International National Total |  |            |            | Total        |
| Journal   |   |  | Conference | Conference | Number of    |
|   |   |  |            |            | Publications |
|   | Recent Publications(Journals)- Chronological order      |  |            |            |              |
| Sl. No  | Details   |  |            |            |              |
| Usha Subbiah, Athira Ajith, Harini Venkata Subbiah, Molecular Docking and1Dynamics Simulation of Orthosiphon stamineus against SGLT1 and SGLT2, Journalof Biomoleular structure and Dynamics, 2023, (Scopus and Pubmed Indexed) |   |  |            |            |              |

| 2  |   |
|----|---|
| -  | Priyanka Venugopal, Kannika Logu, Karthikeyan Balakrishnan, Usha Subbiah,               |
|    | Damal Kandadai sriram, Melvin George, Differential expression of caveolin-3             |
|    | suppression of tumorigenicity 2 and growth differentiation factor-15 genes and          |
|    | 4 its association with acute myocardial infarction- A cross sectional study in a multi- |
|    | speciality hospital in Tamil Nadu, 2023, (Scopus and Pubmed Indexed)                    |
| 3  | Harini Venkata Subbiah; Polani Ramesh Babu; Usha Subbiah, Determination of              |
|    | deleterious single nucleotide polymorphisms of human LYZ C gene: An in silico           |
|    | study, Journal of Genetic Engineering and Biotechnology,2022 (Accepted for              |
|    | Publication), (Scopus and Pubmed Indexed).  |
| 4  | Harini Venkata Subbiah, Polani Ramesh Babu, Usha Subbiah. Determination of              |
|    | deleterious single nucleotide polymorphisms of human lactoferrin gene. Research         |
|    | Journal of Biotechnology,2022, (Scopus and Pubmed Indexed).                             |
| 5  | Harini Venkata Subbiah, Polani Ramesh Babu, Usha Subbiah, Insilico targetting of        |
|    | red complex bacteria virulence factors of periodontitis with b-defensin 1, J of         |
|    | Genetic Engineering and Biotechnology,2022, 20:59 (Scopus and Pubmed Indexed).          |
| 6  | Harini Venkata Subbiah, Usha Subbiah, Athira Ajith. Association of $\beta$ -defensin 1  |
|    | gene polymorphism and dental caries susceptibility in tamil ethnicity. Research         |
|    | Journal of Pharmacy and Technology. Year: 2021, Vol: 14, Issue: 9.                      |
| 7  | Usha Subbiah, Harini Venkata Subbiah, Sumathi K, Shenbaga Lalitha S, Saliva As          |
|    | A Biomarker Tool, Journal of Angiotherapy, 2021,5:2(Scopus Indexed).                    |
| 8  | Harini Venkata Subbiah, Polani Ramesh Babu, Usha Subbiah, Daniel Rajendran T,           |
|    | Vinod Kumar P, 2021, Immune Dysfunction Linking Periodontitis And Diabetes,             |
|    | Journal of Angiotherapy, 5;2 (Scopus indexed)   |
| 9  | Athira Ajith, Usha Subbiah, Deepika. P, Minthami Sharon P. Signaling Pathway            |
|    | Genetic Variations In Apical Periodontitis, Journal of Angiotherapy,2021                |
| 10 | Subbiah Usha, Roy Debarshi, Elango Sonaa,. An Insight Of DNARepair Gene                 |
|    | Polymorphism In Oral Premalignant Disorders Associated With Habitual Risk               |
|    | Eastern European Lournal of Malagular & Clinical Madiaina 2020 Dec 14:7(5):1240-54      |
|    | Factors. EuropeanJournalofMolecular&ClinicalMedicine.2020Dec147(5):1340-54.             |

| 11 | Usha S, Gokulalakshmi E, Sonaa E, Arvind R, Bagavad G, Karthikeyan S, Effect of   |
|----|---|
|    | Chitosan, Chitosan Nanoparticle, Anacyclus pyrethrum and Cyperus rotundus in      |
|    | combating Plasmid Mediated Resistance in Periodontitis. Anti- Infective Agents,   |
|    | 2020, 18 (1) (Scopus Indexed).  |
| 12 | Harini Venkata Subbiah, Polani Ramesh Babu, and Usha Subbiah. Single              |
|    | Nucleotide Polymorphisms of Salivary Antimicrobial Peptides in                    |
|    | PeriodontitisEuropean Journal of Molecular & Clinical Medicine, 2020, Volume 7,   |
|    | Issue 5, Pages 1354-1363.   |
| 13 | Harini Venkata Subbiah, Polani Ramesh Babu, and Usha Subbiah. "In silico          |
|    | analysis of non-synonymous single nucleotide polymorphisms of human DEFB1         |
|    | gene." Egyptian Journal of Medical Human Genetics 21.1 (2020): 1-9.               |
| 14 | Harini Venkata Subbiah, Usha Subbiah, Athira Ajith, and Ramesh Babu Polani.       |
|    | "Role of Neutrophils in Periodontitis: A Review." Indian Journal of Public Health |
|    | Research & Development 10, no. 12 (2019): 956-961.                                |
| 15 | Harini Venkata Subbiah, Usha Subbiah, Athira Ajith, Ramesh Babu Polani. Single    |
|    | Nucleotide Polymorphism of Salivary Antimicrobial Peptides in Periodontitis.      |
|    | Indian Journal of Public Health Research and Development, Nov 2019 (Scopus        |
|    | Indexed).   |
| 16 | Subbiah, Usha, Harini Venkata Subbiah, Athira Ajith, and Sonaa Elango.            |
|    | "Salivary Secretory Proteins-Unveiling Genetic Polymorphism and Diseases."        |
|    | Indian Journal of Public Health Research & Development 10, no. 11 (2019).         |
| 17 | Ajith, Athira, Usha Subbiah, and Harini Venkata Subbiah. "Role of Genetics in     |
|    | Dentistry: A Review." Indian Journal of Public Health Research &                  |
|    | Development 10, no. 12 (2019): 965-969  |
| 18 | Athira Ajith, Usha Subbiah, Harini Venkata Subbiah. Genetic Analysis In Pain      |
|    | Associated Deep Caries. Indian Journal of Public Health Research and Development, |
|    | Accepted for publication, Nov 2019 (Scopus Indexed).                              |
| 19 | S. Karthika Nagarajan, Usha Subbiah, Human Papilloma Virus Infection Status       |
|    | and Oral Cancer incidence in South India - lack of evidence and its current       |
|    | impacts. Indian Journal of Public Health Research and Development, Accepted for   |
|    | publication, 2019 (Scopus Indexed).   |

| 20 | Angeline Julius, Usha Subbiah, Sonaa Elango. Designing Universal Primer For           |
|----|---|
|    | The Identification Of Erythromycin And Tetracycline Resistance Genes In Oral          |
|    | Streptococci. Indian Journal of Public Health Research and Development, Accepted      |
|    | for publication, Nov 2019 (Scopus Indexed).   |
| 21 | Usha S, Gokulalakshmi E, Sonaa E, Arvind R, Bagavad G, Karthikeyan S, Effect          |
|    | of Chitosan, Chitosan Nanoparticle, Anacyclus pyrethrum and Cyperus rotundus          |
|    | in combating Plasmid Mediated Resistance in Periodontitis. Anti-Infective Agents,     |
|    | 2019, 17(Scopus Indexed).   |
| 22 | Elango S, Balcos MC, Subbiah U, Jeong J, Wanwyk R, Enhanced Oxidistability            |
|    | Of Lipoproteins In Radiation Treated Oral Cancer Cases, Interfered By                 |
|    | Antioxidant Selenium. Journal of Interdisciplinary Biosciences. (2018) 2(2): 1-11.    |
|    | (International Scientific Indexing)   |
| 23 | Sonaa Elango, Shila Samuel, Zenith Khashim, Usha Subbiah, Selenium                    |
|    | influences trace elements homeostasis, cancer biomarkers in squamous cell             |
|    | carcinoma patients administered with cancerocidal radiotherapy. Asia Pacific          |
|    | Journal of Cancer Prevention(2018) 19: 253-260.(Pubmed, Scopus Indexing)              |
| 24 | Usha Subbiah, Gokulalakshmi Elayaperumal and Sonaa Elango, Plasmid                    |
|    | mediated antibiotic resistance in <i>E. coli</i> isolated from chronic periodontitis. |
|    | European Journal of Biomedical and Pharmaceutical sciences (2017) 4(6) (Index         |
|    | Copernicus)   |
| 25 | Usha Subbiah, Gokulalakshmi Elayaperumal, Arvind Ramanathan & Sonaa                   |
|    | Elango, Horizontal gene transfer in plasmid: Are we close to eliminating              |
|    | periodontal pathogens?. International Journal of Bio-Technology and Research          |
|    | (2017) 7(3): 17-28. (Scopus Indexed).   |
| 26 | Sonaa Elango, Usha Subbiah, Radiosensitization effect of Selenium on the              |
|    | "Warburg effect", Metabolism of hypoxic Oral Squamous cell Carcinoma.                 |
|    | American Journal of Pharma Tech Research; 2016; 6(5): 2249-3387(Google                |
|    | Scholar, Cite factor).  |
| 27 | Sonaa Elango, Zenith Kasim, Shila Samuel, Usha Subbiah, Marie Carmel                  |
|    | Balcos, Modulation of macro molecular damages and membrane structural integrity       |
|    | by Selenium in Radiation treated human stage (III) oral cancer cases;, International  |
|    | Journal of Current Research in Medical Sciences (2016). 2(9): 8-21.(Google            |
|    | Scholar, Cite factor)   |
|    |   |

| 28 | Sonaa E, Ja In J, Usha S. The differential behaviour of Selenium analogs on        |
|----|--|
|    | anticancer drug induced apoptotic lymphocytes of human peripheral blood. Asia      |
|    | Pacific Journal of Cancer Prevention; 2016;17 (5), 2527-2533. (Pubmed, Scopus      |
|    | Indexing)  |
| 29 | Sonaa E, Usha S. Influence of selenium on radiogenic collagen destruction          |
|    | and the degree of collagen tissue maturation in stage III oral squamous cell       |
|    | carcinoma patients undergoing therapeutic irradiation. Journal of Cancer Research  |
|    | and Therapeutics; 2015; Jan-Mar; 11(1):181-190. (Scopus Indexed).                  |
| 30 | Sonaa E, Usha S, Ja In J. Interaction of Mineral with plant: An ex vivo study of   |
|    | Selenium, Genistein on the morphological and nuclear changes in anticancer drug    |
|    | induced apoptotic human peripheral blood lymphocytes. Biofactors;2013;May-         |
|    | June;39(3):279-93. (Pubmed, Scopus Indexing)                                       |
| 31 | Johnson Irudayam Maria; Kesavan Chandrasekhar; Usha Subbiah; Malathi               |
|    | Raghunathan. Analysis of group I intron splicing in the presence of naturally      |
|    | occurring methylxanthines. Clinica Chimica Acta; International journal of          |
|    | clinical chemistry 2009;400(1-2):74-76. (Pubmed, Scopus Indexing)                  |
| 32 | Usha Subbiah, and Malathi Raghunathan. Chemoprotective action of Resveratrol       |
|    | and Genistein from cisplatin and mitomycin C induced apoptosis in human            |
|    | peripheral blood lymphocytes. Journal of Biomolecular Structure and                |
|    | Dynamics2008; 25(4): 425-434. (Pubmed, Scopus Indexing                             |
| 33 | S.Usha, I.Maria Johnson, R.Malathi, Protective action of theophylline on cisplatin |
|    | and mitomycin C induced apoptosis in human peripheral blood lymphocytes,           |
|    | Journal of Biomolecular Structure and Dynamics2007; 24(6): 683.                    |
| 34 | Usha Subbiah, Maria Johnson Irudayam, Malathi Raghunathan. Possible                |
|    | Inhibition of Group I Intron RNA by Resveratrol and Genistein. Journal of          |
|    | Biomolecular Structure and Dynamics2006; 24:1-8.(Pubmed, Scopus Indexing)          |
| 35 | Subbiah Usha, Irudayam Maria Johnson, Raghunathan Malathi. Modulation of           |
|    | DNA intercalation by Resveratrol and Genistein. Molecular and Cellular             |
|    | biology  |
| 36 | Usha S, Maria Johnson I, Malathi R. Interaction of resveratrol and genistein with  |
|    | nucleic acids. Journal of Biochemistry and Molecular Biology 2005; 38: 198-205.    |
|    | (Pubmed, Scopus Indexing).   |
|    | International Book Chapters Publication:   |

| 1 | Elango, S., Veerappan, K., Subbiah, U, Biofluid Markers Unveiling Cancer                              |
|---|---|
|   | Diagnosis And Prognosis – With Special Reference To Oxidative Stress, Handbook                        |
|   | of Oxidative Stress in Cancer: Therapeutic Aspects ,Springer Publication, 2022                        |
| 2 | Usha Subbiah, Sonaa Elango, Raghavendra Jayesh, Herbals and green synthesized                         |
|   | nanoparticles in dentistry, chapter 25, Elsiever Publication, Nanobiomaterials in                     |
|   | Clinical Dentistry, 2019.   |
| 3 | Karthikeyan Subramani, Abdelbary Elhissi, Usha Subbiah, Waqar Ahmed, chapter                          |
|   |   |
|   | 1: Introduction to Nanotechnology Elsiever Publication, Nanobiomaterials in                           |
|   | 1: Introduction to Nanotechnology Elsiever Publication, Nanobiomaterials in Clinical Dentistry, 2019. |
| 4 |   |
| 4 | Clinical Dentistry, 2019.   |

|        | Programmes (Workshop/ Training/ conference) Conducted/ Attended   |
|--------|---|
| Sl. No | Details in Chronological order  |
| 1.     | Judge for poster presentation for CSIR & TNSCST sponsored 1 <sup>st</sup> National conference on Biomaterilas in Health care 2023, 18 <sup>th</sup> -19 <sup>th</sup> Aug, 2023, Sree |
|        | Balaji Medical College and Hospital   |
| 2.     | Poster presentation - "Green synthesis of gold nanoparticles using Benincasa  |
|        | hispida and evaluation of its anticancer activity against oral cancer cell line"  |
|        | presented on 18th-19th Aug 2023 at CSIR & TNSCST sponsored 1st National   |
|        | conference on Biomaterilas in Health care 2023, Sree Balaji Medical College and   |
|        | Hospital; Usha Subbiah, Athira Ajith  |
| 3.     | Conducted Hands on workshop on SNP detection and analysis, at Human Genetics  |
|        | Research Centre, SBDCH on 21st Sep, 2022.   |
| 4.     | Conducted Hands on workshop on Genetic Variant analysis, at Human Genetics  |
|        | Research Centre, SBDCH on 24th Aug, 2022.   |
| 5.     | Attended 3 Days Workshop on DGE Data Analysis from, Biodeavour Research   |
|        | Lab, Chennai, 21 to 23, June, 2022  |
| 6.     | Attended 3 Days Workshop on NGS Variant Calling Data Analysis, Biodeavour   |
|        | Research Lab, Chennai, 12th to 14th, May 2022.  |
| 7.     | Conducted Workshop on Gene Expression using Real Time PCR, Dec 10th   |

| <ul> <li>Pilot Studyl presented on 4th September 2020 at 5th International World Dental and Oral Health Congress 2020, Europe Series, Karthika Nagarajan, Usha Subbiah.</li> <li>12. Hands on workshop on ARMS PCR" in Exon Biosciences on Sep 2019, Chennai</li> <li>13. Hands on Workshop on "Targeted Genome Engineering using CRISPR/ CAS9", (5 days, March 2019, Chennai.</li> <li>14. Conducted Guest Lecture on Korean herbs in oral care and Cancer management" International Speaker Sonaa Elango, Dept. of Life Science, School of Natural sciences, University of Suwon, South Korea, Feb 2018 at SBDCH.</li> <li>15. Micro-communities within us: Microbiology (IAMM) Tamil Nadu Chapter, SBDCH, Chennai, 29th July 2016.</li> <li>16. Indian Association of Medical Microbiology (IAMM) Tamil Nadu Chapter, SBDCH, Chennai, 29th July 2016.</li> <li>17. International symposium on Endodontic Microbiology and Academic review, SBDCH, Chennai, 11th July 2016</li> <li>18. Attended certification training programme on Molecular biology in Biozone Research Techology Ltd. (Sep 27,2010- Dec 3, 2010)</li> <li>19. International symposium on Translational research: Apoptosis and Cancer. Trivandrum, 18th to 21st Dec 2005</li> <li>20. National Symposium on —Discussion Meeting on Structural Biology and Symposium on Biophysicsl, Chennai, 1NDIA, Jan' 21 – 23, 2002.</li> <li>21. National Symposium on —Recent advances in molecular Geneticsl, Chennai, INDIA, March 19, 2003.</li> <li>22. A Preliminary work (PhD) was accepted under the title entitled —Group I intron as a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups</li> </ul>  |     | 2021,Sree Balaji Dental College and Hospital  |
|--|-----|---|
| <ul> <li>05/09/2021</li> <li>International Virtual Conference on "SARS-CoV-2 CONTAGION LESSONS<br/>LEARNT" Dec 15, 16, 2021, Sree Balaji Dental College and Hospital</li> <li>Workshop on SARS-CoV-2 by Real Time PCR Sree Balaji Dental College and<br/>Hospital</li> <li>International Poster presentation: —Cost Effective Salivary viral DNA Isolation - A<br/>Pilot Studyl presented on 4th September 2020 at 5th International World Dental and<br/>Oral Health Congress 2020, Europe Series, Karthika Nagarajan, Usha Subbiah.</li> <li>Hands on workshop on ARMS PCR" in Exon Biosciences on Sep 2019, Chennai</li> <li>Hands on Workshop on "Targeted Genome Engineering using CRISPR/ CAS9", (5<br/>days, March 2019, Chennai.</li> <li>Conducted Guest Lecture on Korean herbs in oral care and Cancer management"<br/>International Speaker Sonaa Elango, Dept. of Life Science, School of Natural<br/>sciences, University of Suwon, South Korea, Feb 2018 at SBDCH.</li> <li>Micro-communities within us: Microbione, participated Guest Lecture by Dr<br/>Naveen Kumar, Sep 2018.</li> <li>Indian Association of Medical Microbiology (IAMM) Tamil Nadu Chapter,<br/>SBDCH, Chennai, 29th July 2016.</li> <li>International symposium on Endodontic Microbiology and Academic review,<br/>SBDCH, Chennai, 11th July 2016</li> <li>Attended certification training programme on Molecular biology in Biozone<br/>Research Techology Ltd. (Sep 27,2010- Dec 3, 2010)</li> <li>International symposium on Translational research: Apoptosis and Cancer.<br/>Trivandrum, 18th to 21st Dec 2005</li> <li>National Symposium on —Discussion Meeting on Structural Biology and<br/>Symposium on Biophysics!, Chennai, INDIA, Jan' 21 – 23, 2002.</li> <li>National Symposium on —Recent advances in molecular Genetics!, Chennai,<br/>INDIA, March 19, 2003.</li> <li>A Preliminary work (PhD) was accepted under the title entitled —Group I intron as<br/>a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups</li> </ul> | 8.  | International Conference on Nanomedicine and Nanomaterials organised by Mar         |
| <ol> <li>International Virtual Conference on "SARS-CoV-2 CONTAGION LESSONS<br/>LEARNT" Dec 15, 16, 2021, Sree Balaji Dental College and Hospital</li> <li>Workshop on SARS-CoV-2 by Real Time PCR Sree Balaji Dental College and<br/>Hospital</li> <li>International Poster presentation: —Cost Effective Salivary viral DNA Isolation - A<br/>Pilot Studyl presented on 4th September 2020 at 5th International World Dental and<br/>Oral Health Congress 2020, Europe Series, Karthika Nagarajan, Usha Subbiah.</li> <li>Hands on workshop on ARMS PCR" in Exon Biosciences on Sep 2019, Chennai</li> <li>Hands on Workshop on "Targeted Genome Engineering using CRISPR/ CAS9", (5<br/>days, March 2019, Chennai.</li> <li>Conducted Guest Lecture on Korean herbs in oral care and Cancer management"<br/>International Speaker Sonaa Elango, Dept. of Life Science, School of Natural<br/>sciences, University of Suwon, South Korea, Feb 2018 at SBDCH.</li> <li>Micro-communities within us: Microbiology (IAMM) Tamil Nadu Chapter,<br/>SBDCH, Chennai, 29th July 2016.</li> <li>Indian Association of Medical Microbiology (IAMM) Tamil Nadu Chapter,<br/>SBDCH, Chennai, 11th July 2016</li> <li>International symposium on Endodontic Microbiology and Academic review,<br/>SBDCH, Chennai, 11th July 2016</li> <li>Attended certification training programme on Molecular biology in Biozone<br/>Research Techology Ltd. (Sep 27,2010- Dec 3, 2010)</li> <li>International symposium on Translational research: Apoptosis and Cancer.<br/>Trivandrum, 18th to 21st Dec 2005</li> <li>National Symposium on —Discussion Meeting on Structural Biology and<br/>Symposium on Biophysicsl, Chennai, INDIA, Jan' 21 – 23, 2002.</li> <li>National Symposium on —Recent advances in molecular Geneticsl, Chennai,<br/>INDIA, March 19, 2003.</li> <li>A Preliminary work (PhD) was accepted under the title entitled —Group I intron as<br/>a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups</li> </ol>                   |     |   |
| <ul> <li>LEARNT" Dec 15, 16, 2021, Sree Balaji Dental College and Hospital</li> <li>Workshop on SARS-CoV-2 by Real Time PCR Sree Balaji Dental College and<br/>Hospital</li> <li>International Poster presentation: —Cost Effective Salivary viral DNA Isolation - A<br/>Pilot Studyl presented on 4th September 2020 at 5th International World Dental and<br/>Oral Health Congress 2020, Europe Series, Karthika Nagarajan, Usha Subbiah.</li> <li>Hands on workshop on ARMS PCR" in Exon Biosciences on Sep 2019, Chennai</li> <li>Hands on Workshop on "Targeted Genome Engineering using CRISPR/CAS9", (5<br/>days, March 2019, Chennai.</li> <li>Conducted Guest Lecture on Korean herbs in oral care and Cancer management"<br/>International Speaker Sonaa Elango, Dept. of Life Science, School of Natural<br/>sciences, University of Suwon, South Korea, Feb 2018 at SBDCH.</li> <li>Micro-communities within us: Microbiology (IAMM) Tamil Nadu Chapter,<br/>SBDCH, Chennai, 29th July 2016.</li> <li>International symposium on Endodontic Microbiology and Academic review,<br/>SBDCH, Chennai, 11th July 2016</li> <li>Attended certification training programme on Molecular biology in Biozone<br/>Research Techology Ltd. (Sep 27,2010- Dec 3, 2010)</li> <li>International symposium on Translational research: Apoptosis and Cancer.<br/>Trivandrum, 18th to 21st Dec 2005</li> <li>National Symposium on —Discussion Meeting on Structural Biology and<br/>Symposium on Biophysicsl, Chennai, INDIA, Jan' 21 – 23, 2002.</li> <li>National Symposium on —Recent advances in molecular Geneticsl, Chennai,<br/>INDIA, March 19, 2003.</li> <li>A Preliminary work (PhD) was accepted under the title entitled —Group I intron as<br/>a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups</li> </ul>  | 9.  | International Virtual Conference on "SARS-CoV-2 CONTAGION LESSONS                   |
| <ol> <li>Workshop on SARS-CoV-2 by Real Time PCR Sree Balaji Dental College and<br/>Hospital</li> <li>International Poster presentation: —Cost Effective Salivary viral DNA Isolation - A<br/>Pilot Studyl presented on 4th September 2020 at 5th International World Dental and<br/>Oral Health Congress 2020, Europe Series, Karthika Nagarajan, Usha Subbiah.</li> <li>Hands on workshop on ARMS PCR" in Exon Biosciences on Sep 2019, Chennai</li> <li>Hands on Workshop on "Targeted Genome Engineering using CRISPR/ CAS9", (5<br/>days, March 2019, Chennai.</li> <li>Conducted Guest Lecture on Korean herbs in oral care and Cancer management"<br/>International Speaker Sonaa Elango, Dept. of Life Science, School of Natural<br/>sciences, University of Suwon, South Korea, Feb 2018 at SBDCH.</li> <li>Micro-communities within us: Microbiome, participated Guest Lecture by Dr<br/>Naveen Kumar, Sep 2018.</li> <li>Indian Association of Medical Microbiology (IAMM) Tamil Nadu Chapter,<br/>SBDCH, Chennai, 29th July 2016.</li> <li>International symposium on Endodontic Microbiology and Academic review,<br/>SBDCH, Chennai, 11th July 2016</li> <li>Attended certification training programme on Molecular biology in Biozone<br/>Research Techology Ltd. (Sep 27,2010- Dec 3, 2010)</li> <li>International symposium on Translational research: Apoptosis and Cancer.<br/>Trivandrum, 18th to 21st Dec 2005</li> <li>National Symposium on —Discussion Meeting on Structural Biology and<br/>Symposium on Biophysicsl, Chennai, INDIA, Jan' 21 – 23, 2002.</li> <li>National Symposium on —Recent advances in molecular Geneticsl, Chennai,<br/>INDIA, March 19, 2003.</li> <li>A Preliminary work (PhD) was accepted under the title entitled —Group I intron as<br/>a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups</li> </ol>  | 2.  |   |
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|  |     | a therapeutic target: Screening of Chemotherapeutic agents lodging amino groups     |
| against Candida albicans" under the heading: Detection of novel agents.  |     | against Candida albicans" under the heading: Detection of novel agents.             |
| International Conference (American Society for Microbiology) on Emerging   |     | International Conference (American Society for Microbiology) on Emerging            |

|     | Infectious Diseases in Atlanda, USA, 2002  |
|-----|--|
| 23. | Workshop on —Biotechnology and Immunological strategies for research             |
|     | Department of Biotechnology, University of Madras. (March 15th and 16th 2001)    |
| 24. | Continuing Medical education programme and workshop on "Blood Coagulation        |
|     | profile", Institute of Bio Chemistry, Madras Medical College, Tamil Nadu Dr. MGR |
|     | Medical University, India. (14th and 15th Dec 2001)                              |

| Roles and Responsibilities |  |  |
|----------------------------|--|--|
| Sl. No                     | Details  |  |
| 1.                         | Principal Investigator under Department of Science and Technology DST-<br>FIST programme - From 2018-2023              |  |
| 2.                         | GUIDE/CO-GU IDE- Bharath University  |  |
| 3.                         | Coordinates research agendas and work plans, working in conjunction with research                                      |  |
| 4.                         | Reviews and edits all research reports : Guidance, editing dissertations, Project handling and manuscript preparations |  |
| 5.                         | Provides technical assistance and support  |  |
| 6.                         | Reviewer for reputed journals  |  |

| Awards Received |  |  |
|-----------------|--|--|
| Sl. No          | Details  |  |
| 1               | Principal Investigator for the project "Characterization of Plasmid and Integron             |  |
|                 | from Chronic periodontal pathogens" under Department of Science and                          |  |
|                 | Technology DST- FIST programme - From 2018-2023.   |  |
| 2               | Award of Project Fellow under the title "Study of Novel Antimutagens and                     |  |
|                 | Anticarcinogens from Marine and Herbal Sources" under University with potential              |  |
|                 | for Excellence Programme from University Grant Commission, New Delhi, INDIA                  |  |
|                 | [June $18^{\text{th}} 2003 - 28^{\text{th}}$ Feb 2006].                                      |  |
| 3               | Award of Project Fellow under the title "An in vitro splicing assay to study the             |  |
|                 | structure-function relation of group I intron of TetrahymenarRNA" from University            |  |
|                 | Grants Commission, New Delhi, INDIA [Aug 28 <sup>th</sup> 2001–March 31 <sup>st</sup> 2002]. |  |