




Bharath Institute of Higher Education and Research

**Faculty Profile**

<b>Personal Details</b>	
< Name : Dr.SumathiJones	
<Designation> Professor and Head	
<Department> Pharmacology	
< Name of Institution>Sree Balaji Dental College and Hospital	
<mobile> 9940106903	
< email>	

Area of Interest	Pharmacology and Toxicology
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<b>Subjects Taught</b>	
UG	PG
Pharmacology	Pharmacology

Degree	University	Class	Month & Year of Passing
BSc	University of Madras	First	1992
MSc	Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras	First	1994
PhD	CSIR-CLRI University of Madras	Highly commended	2012

<b>Work Experience as on Oct-2020</b>			
Name of the Institution/Company	Position	From	To
Vels College of Pharmacy	Lecturer Department of Pharmacology	January 1995	June 1995
Saveetha Dental College and Hospital	Lecturer Department of Pharmacology	June 1996	September 2003

Saveetha Dental College and Hospital	Reader Department of Pharmacology	October 2003	December 2008				
Asan Memorial Dental College and Hospital	Professor and Head Department of Pharmacology	January 2013	September 2020				
Sree Balaji Dental College and Hospital	Professor and Head Department of Pharmacology and Therapeutics	October 2021	Till Date				
Total experience	<Years >	Teaching	<years >	Research	<years >	Administration	<years >
			23		23		

#### Visiting Faculty

- Dr. ALM.PG Institute of Basic Medical Sciences (IBMS). University of Madras
- Reva University. Bangalore
- National Institute for Empowerment of Persons with Multiple Disabilities (Dept. of Empowerment of Persons with Disabilities (Divyangjan), Ministry of Social Justice & Empowerment. of India)

Research Publications				
International Journal	National Journal	International Conference	National Conference	Total Number of Publications
35	2	3	2	37

Recent Publications(Journals)- Chronological order		
S.NO.	TITLE OF THE ARTICLES	JOURNAL DETAILS
1	Utilization of natural polysaccharide from Tamarindus indica L. seeds for the effective reduction of pollutants in cheese-processed wastewater	Chemosphere, Volume 305, 2022, 135241, ISSN 0045 6535 Q1 journal Indexing Pubmed, Scopus, web of science, SCIE

		Thomson Reuters (IF8.9) Elsevier
2	Vermiremediation of allopathic pharmaceutical industry sludge amended with cattle dung employing <i>Eisenia fetida</i>	Environmental Research, Volume 214, Part 1, 2022, 113766, ISSN 0013-9351 Q1 journal Indexing Pubmed, Scopus, web of science, S CIE Thomson Reuters (IF8.4) Elsevier
3	Synthesis of biodiesel from castor oil catalyzed by sodium hydroxide dispersed on bentonite	Sustainable Energy Technologies and Assessments, Volume 53, Part B, 2022, 102526, Q1 journal Indexing Pubmed, Scopus, web of science, S CIE Thomson Reuters (IF 7.632) Elsevier
4	Emerging Biosensors for Oral Cancer Detection and Diagnosis—A Review Unravelling Their Role in Past and Present Advancements in the Field of Early Diagnosis.	<i>Biosensors</i> 2022, 12, 498. Pubmed, Scopus, web of science Thomson Reuters (IF5.7) MDPI
5	Fabrication and characterization of surgical sutures with propolis silver nanoparticles and analysis of its antimicrobial properties	Journal of King Saud University - Science, Volume 34, Issue

		5,2022,102082, I SSN 1018 3647. Pubmed, Scopus, web of science, S CIE Thomson Reuters (IF-3.89) Elsevier
6	Morphological, chemoprofile, and soil analysis comparison of Corymbia citriodora (Hook.) K.D. Hill and L.A.S. Johnson along with the green synthesis of iron oxide nanoparticles	Journal of King Saud University - Science, Volume 34, Issue 5,2022,102081, I SSN 1018-3647 Pubmed, Scopus, web of science, S CIE Thomson Reuters (IF3.89). Elsevier
7	Current trends and future perspectives on dental nanomaterials-An overview of nanotechnology strategies in dentistry,	Journal of King Saud University – Science102231,ISSN 1018-3647. Pubmed, Scopus, web of science, S CIE Thomson Reuters (IF 3.89) Elsevier

**Recent Publications(Conferences ) -Chronological order**

Sl.No	Details
1	ICHERI'22- Intl' Conference on Higher Education, Research & Innovation July 28-30,2022
2.	International Conference on Research Interventions and Technological
3.	Advancements in Plant Science (RITAPS 2021).
4.	

5.	PHARMA VIRTUAL 2020 "Novel Nanonutraceutical formulations and its role in health as biomedicine"
6.	Dentopharm-21 National Virtual conference- Bearing the Brunt Existing Pandemic & its Recurrences
7.	Dentopharm-22- International webinar series-Managing the secret world of the oral microbiome by phytotherapeutic approach
8.	Dentopharm-22 International webinar series- Sterile inflammation by implants and CAR T CELL for cancer therapy
9.	Dentopharm-22 International webinar series- Novel therapeutic targets in Cancer treatment
10.	AICTE Sponsored One week online short-term training program on Advance Techniques In Research And Data Analytical Tools by using SPSS and Eviews,23 <sup>rd</sup> November to 28 <sup>th</sup> November 2020, MIET, India
11.	International level online Panel Discussion on Covid-19 Crisis: The Global Economy Reshaping on 4 <sup>th</sup> June 2020 organized by CMS, Jain (Deemed-to-be University), Bengaluru, India
12.	UGC sponsored Online FDP on Plagiarism Check and Bibliographic Software held on 8th to 10th June 2020, organized by the Dept. of Psychiatry, MGMCRI in association with CHPE, SBV, India
13.	Online faculty development program on Trends and Advancements in Pharmaceutical Sciences. 10 <sup>th</sup> to 13 <sup>th</sup> June. 2020.Dr . M.G.R Educational And Research Institute. Chennai, India, Deemed university
14.	One-week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1st July to 6th July 2020. Swami Ramanand Teerth Marathwada University, Nanded, India
15.	NANOTECHNOLOGY AND MEDICAL SCIENCE: CHALLENGES AHEAD' organized by the Society of Pharmaceutical Sciences and Research (SPSR)on January 16, 2021
	One-day National level webinar on BEST PRACTICES IN LABORATORY SAFETY MANAGEMENT organized by Internal Quality Assurance cell of Arts, Science, and CommerceCollegee, Chikaldhara, Distt. Amravathi, India 26 <sup>th</sup> December 2020.

16.	'HERBAL DRUGS IN THE MANAGEMENT OF LIFESTYLE DISORDERS IN THE TIME OF COVID-19' organized by the Society of Pharmaceutical Sciences and Research (SPSR) on 13th December 2020
17.	SPSR National Webinar on 'ROLE OF PHARMACISTS FOR BEST THERAPEUTIC OUTCOMES' organized by Society of Pharmaceutical Sciences and Research (SPSR) on 29th November 2020
18.	Two days virtual international conference on RESEARCH INTERVENTIONS AND ADVANCEMENTS IN PLANT SCIENCE (RIAPS 2020) 15 <sup>th</sup> -16 <sup>th</sup> June 2020
19.	Webinar on PANDEMIC- PAST, PRESENT, AND FUTURE with special reference to COVID -19 conducted by Tamilnadu State Council for Science and Technology, in collaboration with DST, India on 9 <sup>th</sup> June 2020
20.	Online quiz competition conducted by ICC on COVID -19 AWARENESS May 2020. Webinar on "OROFACIAL PAIN- A CASE BASED APPROACH" organized by DEPARTMENT OF ORAL AND MAXILLOFACIAL PATHOLOGY, SRM Dental College on 23 <sup>rd</sup> June 2020

<b>Memberships in Professional Bodies</b>	
Sl.No	Name of the Professional Body
	1. Indian Academy of Biomedical Sciences
	2. Association of Pharmaceutical Teachers of India (Women's list)
	3. Society of Environmental Toxicology and Chemistry (SETAC)
	4. Biomedical Diagnostics Institute
	5. <u>Continuing Education and Professional Development</u>
	6. <u>APT - Applied Pharmaceutical Toxicology</u>
	7. <u>Research and Development in India</u>
	8. <u>European Science, Technology &amp; Innovation Policy</u>
	9. Green Chemistry Network
	10. <u>Preclinical Toxicology Consultation Network</u>
	11. Toxicology artery

	<p>12. <u>Royal Society of Chemistry</u></p> <p>13. <u>Regulatory Toxicology Group</u></p> <p>14. <u>Rx&amp;D - Biopharmaceutical, Pharmaceutical, and Biotechnology Research and Development</u></p> <p>15. <u>Science, Technology &amp; Innovation Policy</u></p> <p>16. <u>Drugs / Toxicology / Analytical Chemistry</u></p>
Sl.No	Details in Chronological order
	<p>Covid-19 Crisis: The Global Economy Reshaping</p> <p>Plagiarism Check and Bibliographic Software[FDP]</p> <p>Trends and Advancements in Pharmaceutical Sciences[FDP]</p> <p>Tools for Online Teaching Learning and Evaluation[FDP]</p> <p>Advance Techniques In Research And Data Analytical Tools by using SPSS and Reviews[FDP]</p> <p>Authorship</p> <p>Best Practices in Laboratory Safety Management</p> <p>International Conference on Higher Education, Research&amp;Innovation ICHERI-22[FDP]</p> <p>Ethics and Copyright: Insights for Research Publiship from Cell Press</p> <p>Workshop On Clinical Trial Registry and Pharmacovigilance</p> <p>Dentopharm-21 National Virtual conference- Bearing the Brunt Existing Pandemic &amp; its Recurrences</p> <p>World No Tobacco day</p> <p>Health Research Fundamentals</p> <p>IX Star Summit</p> <p><i>"To Foster the Strategies of Pharmaceutics and Novel Drug Delivery Systems"</i></p> <p>PHARM-BIOTECH 2K19</p> <p>Star Summit</p> <p>8<sup>th</sup>International BDS Students Seminar on Basic Medical Sciences</p> <p>9th International Student Seminar on Basic Medical Sciences International Conference on Pharm-Biotech 2k19</p> <p>Summer Training Programs-2017 in Mathematics, Physics, Chemistry &amp; Biology</p> <p>MEDICAL BACTERIOLOGY" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India, and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil</p> <p>National Conference ON Chemistry, Biotechnology &amp; Healthcare- An Interface</p> <p>CDE PROGRAMME ON ANTIDIABETIC DRUGS IN CANCER, Asan Memorial Dental College and Hospital, India</p>

**BOOK – SINGLE AUTHOR** (Book chapter)

**National (2020)**

**UBIQUITOUS PHYTOHORMONE ABSCISIC ACID IN PHYTOREMEDIATION AND BIOMEDICAL APPLICATIONS: AN OVERVIEW.**

Research Interventions and Advancements in Plant Sciences (ISBN: 978-93-88901-14-7)".

Bhumi Publishing, India [Research-Interventions-and-Advancements-in-Plant-Sciences.pdf](https://www.bhumipublishing.com)  
([bhumipublishing.com](https://www.bhumipublishing.com))

**International-Springer Nature(2022)**

1. **Jones, C.S.**, Nallal, V.U.M., Razia, M. (2022). Nanonutraceuticals in Chemotherapy of Infectious Diseases and Cancer. In: Krishnan, A., Ravindran, B., Balasubramanian, B., Swart, H.C., Panchu, S.J., Prasad, R. (eds) **Emerging Nanomaterials for Advanced Technologies. Nanotechnology in the Life Sciences**. Springer, Cham.
2. Nallal, V.U.M., **Jones, C.S.**, Razia, M., Prabakaran, D.S., Ramalingam, P. (2022). Trends of Biogenic Nanoparticles in Lung Cancer Theranostics. In: Krishnan, A., Ravindran, B., Balasubramanian, B., Swart, H.C., Panchu, S.J., Prasad, R. (eds) **Emerging Nanomaterials for Advanced Technologies. Nanotechnology in the Life Sciences**. Springer, Cham

**PATENTS**

1. 202241025493:  
A PROCESS OF EXTRACTION OF PIPERINE FROM PARTHADYARISTHAM AND PRODUCT THEREOF
2. 202241019957:  
A PROCESS OF EXTRACTION OF SITOSTEROL FROM AMRITA MEHARI AND PRODUCT THEREOF
3. 202241004972:  
A PROCESS OF EXTRACTION OF ANTI-AMNESIC ACTIVITY EXHIBITING ACTIVE BIOMOLECULE BORNEOL FROM MANASAMITHRAVATAKAM AND PRODUCT THEREOF
4. 202241004975:  
METHOD OF SEPARATION OF M - CINNAMIC ACID FROM SALMALI FOR ABNORMAL UTERINE BLEEDING
5. 202141048022:  
PROCESS OF EXTRACTION OF NEURO-PROTECTIVE FUNCTION EXHIBITING ACTIVE BIOMOLECULE EUGENOL FROM SARASWATHARISHTAM AND PRODUCT THEREOF
6. 202043003346:



A SYSTEM FOR DETERMINING BMD FACTOR

7. 2438/CHE/2013:

DETERMINATION OF BONE MINERAL DENSITY OF HIP REGION FROM ANTHROPOMETRIC AND UPPER FEMORAL GEOMETRY USING ACCESSORY ATTACHED TO DIGITAL X-RAY IN POSTMENOPAUSAL WOMEN

<b>Roles and Responsibilities</b>	
Sl.No	Details
	<ol style="list-style-type: none"> <li><b>1. Professor and Head, Department of Pharmacology and Therapeutics, Sree Balaji Dental College and Hospital</b></li> <li><b>2. Institutional Review Board Chairperson (External). Adhiparasakthi Dental College and Hospital</b></li> <li><b>3. GUIDE/CO-GU IDE: MEHER University, Sri Balaji Vidyapeeth University, Deemed to be University, Pondicherry, Bharath University</b></li> <li><b>4. Organizing Chairperson, Dentopharm -22 INTERNATIONAL WEBINAR SERIES conducted by Department of Pharmacology and Therapeutics, Sree Balaji Dental College and Hospital</b></li> <li><b>5. Parents Teachers Committee. Sree Balaji Dental College and Hospital</b></li> <li><b>6. CoCurriculumculum Committee. Sree Balaji Dental College and Hospital</b></li> <li><b>7. Institutional Ethical Committee Sree Balaji Dental College and Hospital</b></li> <li><b>8. NAAC Committee Sree Balaji Dental College and Hospital</b></li> <li><b>9. Institutional Review Board Sree Balaji Dental College and Hospital</b></li> <li><b>10. Deputy Chief Superintendent of Examination Sree Balaji Dental College and Hospital</b></li> <li><b>11. Convenor of Practical Examination Sree Balaji Dental College and Hospital</b></li> <li><b>12. Institutional Ethical Committee(Clinical Trial) Sree Balaji Dental College and Hospital</b></li> <li><b>13. The panel of Examiner. The TamilNadu Dr.MGR Medical University, Reva University, University of Madras, Pondicherry University, Saveetha University, Anna University. Sree Balaji Dental College and Hospital</b></li> <li><b>14. Question paper setter: The Tamil Nadu Dr. MGR medical university, Pondicherry University, Reva University</b></li> <li><b>15. Reviewer for reputed journals</b></li> </ol>

<b>Awards Received</b>	
Sl.No	Details
	<ul style="list-style-type: none"> <li>• <b>UGC Post-Doctoral Fellowship for Women</b> for the year 2013-2014</li> <li>• <b>TEACHING EXCELLENCE SENIOR -BIOTRENDS 2018</b> – A National summit on recent trends in biosciences to be held on 26<sup>th</sup> and 27<sup>th</sup> February 2018 at IIT Madras, Chennai.</li> <li>• <b>SCIENTIFIC EXCELLENCE SENIOR -BIOTRENDS 2018</b> – A National summit on recent trends in biosciences to be held on 26<sup>th</sup> and 27<sup>th</sup> February 2018 at IIT Madras, Chennai.</li> <li>• <b>Best Teacher Award for continuous excellence in teaching on 28.11.2018 Asan Memorial Dental College and Hospital.</b></li> <li>• <b>HOD of the year Award (HYA) – INSC Award 2019 by Institute of Scholars in</b> recognition of valuable contribution to the academic community and the students</li> <li>• <b>Distinguished Researcher of the Year 2020- Pharmacology, Innovation and Knowledge Excellence (Global awards)</b></li> <li>• Award for the <b>Contribution to the Education Community, Asian Education Awards 2020</b> <a href="https://youtu.be/sg7DQ0VCWU4">https://youtu.be/sg7DQ0VCWU4</a></li> <li>• <b>Birbal Sahni Excellence Plant Science Research Award 2021, Fellow Association of Plant Science Researchers. Plantica foundation. Dehradun, Uttarakhand</b></li> </ul>